



DEMOREST & ATHENS, GEORGIA

2017-18 UNDERGRADUATE CATALOG

PIEDMONT
COLLEGE

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Undergraduate Catalog 2017-2018

CONTACT INFORMATION

Demorest Campus	706-778-3000 800-277-7020
Automatic switchboard	706-778-8500
Undergraduate Admissions	706-776-0103
Graduate Admissions	706-776-0109
Undergraduate Admissions Fax:	706-776-6635
Graduate Admissions Fax	706-776-0150
Financial Aid	706-776-0114
Security/After hours, emergencies	706-776-0105
School of Arts and Sciences	706-776-0113
School of Education	706-776-0117
School of Business	706-776-0115
School of Nursing and Health Sciences	706-776-0116
Graduate Studies/Off-Campus Programs	706-776-0118
Alumni Affairs	706-776-0104 1-800-868-1641
Business Office	706-776-0101
College Bookstore	706-776-0013
Library	706-776-0111
Human Resources	706-776-0108
Institutional Advancement	706-776-0104 1-800-868-1641
Registrar	706-776-0112
Student Affairs	706-778-3000 ext 1305
President	706-776-0100
Vice President, Administration and Finance	706-894-4206
Vice President, Academic Affairs	706-778-0110
Assistant Vice President, Administrative Services	706-776-0102
Associate Vice President, Institutional Advancement	706-776-0104
Athens Campus	706-548-8505 800-331-2021
Undergraduate Admissions	706-548-8102
Graduate Admissions	706-548-8505 x8813
Bookstore	706-433-1753
Financial Aid	706-776-0114

Library

706-433-0728

Registrar

706-776-0112

Mailing address:

Demorest Campus

Piedmont College • P.O. Box 10 • 1021 Central Avenue • Demorest GA 30535

Athens Campus

Piedmont College Athens Center • 595 Prince Ave. • Athens GA 30601

ABOUT PIEDMONT COLLEGE

Mission

Piedmont College dedicates itself to the transformative power of education through reciprocal learning, the development of compassionate leaders, and the stewardship of our local and global communities.

Our Core Values

Inquiry

Piedmont College fosters an environment for learning by engaging in critical and creative dialogue. All members of the college community are challenged to immerse themselves in discovery, analysis, and communication.

Service

Piedmont College cultivates a sense of gratitude and duty to humanity by offering opportunities for civic engagement, personal growth, and ethical reasoning in action.

Legacy

Piedmont College upholds the intellectual, social, and theological heritage of Congregationalism through excellence in teaching and scholarship and by embracing our diverse society. We further these principles by encouraging empathy, innovative thought, and responsibility towards ourselves and others.

ACCREDITATION

Piedmont College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, masters, specialist, and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 or at <http://www.sacscoc.org> for questions about the accreditation of Piedmont College, to file third-party comments, or to file a complaint against the institution for alleged non-compliance. Normal inquiries about the institution, such as, admission requirements, financial aid, or educational programs should be addressed to the college and not to the Commission.

All teacher education programs offered by Piedmont College, as they appear in its published catalog, have the approval of the Professional Standards Commission of the State of Georgia. Authority to recommend for certification rests with the Dean of the School of Education.

The baccalaureate degree program in nursing is approved by the Georgia Board of Nursing and accredited by the Accreditation Commission for Education in Nursing (ACEN) Inc., 3343 Peachtree Road NE, Suite 850, Atlanta GA 30326, 1-800-669-1656. (www.acenursing.org).

The Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Blvd., Suite 100 Austin, TX 78731-3184 (512-733-9700) (<https://caate.net/>).

The Cardiovascular Technology Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and monitored by the Joint Review Commission on Education in Cardiovascular Technology (JRC-CVT), 25400 US Hwy 19 N, Suite 158, Clearwater, FL 33763 (727-210-2350) (www.caahep.org).

The Walker School of Business is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) for undergraduate and graduate business programs.

For information regarding the procedure for obtaining or reviewing documents describing accreditation, approval, or licensing, please contact the following office: Office of the Vice President for Academic Affairs – 706-778-3000.

AN EQUAL OPPORTUNITY INSTITUTION

Piedmont College is an equal opportunity College open to any qualified individual without regard to race, religion, sex, age, color, national or ethnic origin, or disability. Pursuant to all applicable federal anti-discrimination laws and regulations, Piedmont College does not discriminate against any of the protected categories of individuals in the administration of its policies, programs, or activities. This non-discriminatory policy includes admission policies, scholarship and loan programs, employment practices, athletics, and other school-administered programs.

ACADEMIC CALENDAR

This catalog describes an academic calendar for Piedmont College that consists of two 16-week semesters and one 8-week summer semester. The requirements in this catalog apply to students entering Piedmont in the 2016-2017 academic year. An official copy of the academic calendar can be found on the Piedmont College website at www.piedmont.edu/registrar.

STUDENT RESPONSIBILITY

Information in this catalog is accurate as of the date of publication. Piedmont College reserves the right to make changes in policies, regulations, and charges giving due notice in accordance with sound academic and fiscal practice. It is the responsibility of students to be informed about regulations and procedures as stated in this catalog. While advisors, faculty members, and academic deans are available to assist students in meeting degree requirements, students have the primary responsibility of being familiar with and completing their chosen course of study.

STUDENT COMPLAINTS AND GRIEVANCES

Any student filing a complaint or grievance must first attempt to resolve it by consulting with the involved faculty or staff member. In the event no resolution is reached, the student should bring or send the complaint or grievance, in writing, to the appropriate officer of the College (the Vice President for Academic Affairs, for academic matters; the Assistant Vice President for Finance and Human Resources, for problems with charges, business office matters, or financial aid concerns; or the Dean of Student Engagement, for non-academic matters), or to the President of the College, who will assign the complaint or grievance to the appropriate officer. The officer will attempt to resolve the problem in a manner satisfactory to all concerned. By Executive Order from the Governor of the State of Georgia, the Georgia Non-Public Postsecondary Education Commission is designated as the state agency responsible for receiving complaints made by students enrolled in private postsecondary institutions. (Contact information: Georgia Non-Public Postsecondary Education Commission, 2082 East Exchange Place Suite 220, Tucker, Georgia 30084-5305. Office: (770) 414-3300.

Discrimination and Harassment: Piedmont College is committed to creating and sustaining an educational and working environment free of discrimination and harassment of all types. Any complaints or grievances regarding discrimination or harassment should be reported to the Assistant Vice-President for Finance and Human Resources/Title IX Coordinator. A confidential tip line is also provided on the Campus Safety website as a means by which students, faculty, staff or community members may relay information anonymously for investigation.

PRIVATE PROPERTY RIGHTS

Georgia law provides the owners of private property with the right to regulate the possession of firearms. Students, faculty, staff, and the general public are forbidden from having firearms, fireworks, explosives or explosive devices, or other weapons on college property. This includes the storage of such devices in automobiles parked on college property. Exception is made for licensed public safety officials in the employ of the college and for licensed public safety officers from other jurisdictions who are on college property in the discharge of their official duties.

ADMISSION TO PIEDMONT

TRADITIONAL FRESHMEN

A traditional student is defined as an individual who has been out of high school for less than five years and has not taken any college courses with the exception of dual enrollment courses. Traditional freshmen should submit the following items in order to be considered for admission:

1. An application for admission with the required essay;
2. An official transcript of all high school diploma course work or an official home-school transcript. Applicants should have completed at least 23 high school units. Suggested units include:

Subject Area	Units
Language Arts	4
Math	4
Social Studies	3
Natural Science	3
Foreign Language	2 (recommended)

3. An official score report of the results of the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board or the American College Test (ACT) of the American College Testing Programs; and
4. An official transcript of all dual enrollment credits from each college or university attended, if applicable.
5. If an applicant satisfied the requirements for a General Equivalency Diploma (GED), the official assessment scores report.

HOME-SCHOOLED STUDENTS

At Piedmont, we encourage academically talented students from home schools to join our learning community. Admission requirements for home-schooled students are the same as above.

NON-TRADITIONAL FRESHMEN

A non-traditional student is defined as an individual who graduated from high school or would have graduated from high school at least five years before the requested application term. Applicants must have graduated from high school or satisfied requirements for the General Equivalence Diploma (GED). Non-traditional students are exempt from submission of official SAT or ACT scores.

Non-traditional freshmen should submit the following items in order to be considered for admission:

1. An application for admission with the required essay; and
2. An official transcript of all high school diploma course work or if a General Equivalence Diploma (GED) was obtained, the official assessment scores report.

TRANSFER STUDENTS

A transfer student is defined as an individual who, having attended another institution of higher learning, is applying for admission to Piedmont.

A TRADITIONAL Transfer student is one who has earned at least 30 hours of transferrable semester hours (45 transferrable quarter hours) from a previous institution. A NON-TRADITIONAL Transfer student is a student that has been out of high school at least five years and has earned at least 30 transferrable semester hours (45 transferrable quarter hours) from a previous institution.

All transfer students should submit the following items in order to be considered for admission:

1. An application for admission with the required essay;

2. Official transcripts from every college, university, or technical school attended. Transfer applicants must present a satisfactory academic record from each institution attended;
3. If the transfer student has less than 30 transferable semester credit hours from previously attended institutions, an official, final high school transcript or General Equivalency Diploma (GED) assessment scores report is required. Official score report of the ACT or SAT is required for traditional transfer students with less than 30 transferrable hours. Non-traditional transfer students are exempt from submission of official SAT or ACT score reports.

Other policies applicable to transfer students include the following:

- Only courses from regionally accredited institutions and foreign institutions approved for semester abroad will be accepted for credit.
- Courses from regionally accredited technical colleges in the State of Georgia may be accepted pursuant to Articulation Agreements between Piedmont College and the specific technical college.
- Only grades of “C” or higher are transferred in all courses.
- Developmental, orientation, student-assembly, and cultural-events credits are non-transferable.
- All transfer students will need to submit high school information for Financial Aid purposes: transcript, assessment scores, or copy of diploma is acceptable.

Transfer applicants who are enrolled at other institutions and plan to enroll for courses at Piedmont College prior to the completion of course work at another institution must appeal in writing to the dean of the respective school for which they are being admitted for permission to complete coursework at the previous institution.

Admission to Piedmont College does not guarantee admission to a specific school or department. Certain programs have additional admission requirements which must be met before a student can begin taking the upper division classes in their degree program. It is the student's responsibility to contact the appropriate academic department for additional admission requirements upon acceptance to the College granted by the Office of Admissions.

TRANSIENT STUDENTS

A transient (visiting) student is defined as a student that is still currently enrolled at another regionally accredited college or university in the United States, and intends to apply their Piedmont College credit(s) to a degree from their home institution.

Transient students should submit the following items in order to be considered for admission:

1. The Transient student application
2. A Letter of Permission or Enrollment Verification form, showing student in good standing, available from their home institution's registrar's office.

FAILURE TO DISCLOSE OFFICIAL TRANSCRIPTS

Students may not disregard their records from other institutions of higher education. Failure to disclose previous college attendance is sufficient cause for cancellation of a student's admissions or registration and of any semester credits earned at Piedmont College. Non-disclosure of previous attendance can compromise the ability to qualify for financial aid.

DUAL CREDIT ENROLLMENT

A Dual Credit Enrollment (DCE) student is a high school student who is allowed to register for college courses while attending high school or home school. DCE students may take a maximum of 15 credit hours per semester. DCE students are not eligible to take evening, hybrid or online courses.

To be eligible for the DCE program at Piedmont College the student must:

- Be enrolled as a high school student in a public or independent high school or home study program;
- Apply and be accepted in the same manner as a regular undergraduate student, meeting the specific requirements for DCE students. These requirements are:
 - Minimum 3.0 GPA

- SAT: Minimum 1080 Total score, 530 Math **and** 550 Evidence-Based Reading and Writing
- or
- ACT: Minimum 21 Composite, 21 English **and** 21 Math

Students wishing to participate in the DCE program must submit to the Office of Undergraduate Admissions the following documents:

- Application for admission with the required essay
- Official high school or home study transcripts
- Official copy of the SAT or ACT score report
- Completed Teacher Recommendation Form signed by the principal, one high school teacher and a college/guidance counselor or home school administrator.
- Students must maintain a 3.0 GPA in DCE classes to be allowed to return for another semester.

INTERNATIONAL STUDENTS

An international student is defined as a student who is a non-U.S. citizen. Piedmont College welcomes international students as active members of the College.

In addition to the application requirements for the degree described in the catalog, the following additional admission documents must be submitted before an international student will be allowed to enroll:

1. Submit a course-by-course analysis of all secondary and post-secondary credits earned outside the U.S. We recommend utilizing the services of World Educational Services or Josef Silny & Associates, Inc. or any current member of NACES. If submitting a secondary course work evaluation that reflects credits still in progress, the applicant must have a final official transcript submitted from the institution attended when available.
2. An official score report of the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board or the American College Test (ACT) of the American College Testing Programs is required for students with fewer than 30 transferable credit hours. Non-native English speakers must also provide a satisfactory score on the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS). A satisfactory TOEFL score is 550 or higher on the paper-based version, 213 or higher on the computer-based version, or 79 or higher on the Internet-based version. A TOEFL score more than two years old will not be accepted. A satisfactory IELTS band score is 6 or higher. Scanned score reports of the above examinations are not acceptable for admissions consideration.
3. A completed health form, along with proof of health insurance and immunizations.
4. A financial statement showing sufficient availability of funds and the source of these funds for the first year of college.
5. When all of the items listed above are received and if the student has been accepted to the college, a Certificate of Eligibility for Nonimmigrant (F-1) Student Status – For Academic and Language Students (I-20) can be released to the student.

Due to the time required for sending the additional documents needed for acceptance consideration, international students are urged to complete their application file at least one month prior to the published semester application deadline.

NON-DEGREE STATUS

Non-degree (NDG) status is available for applicants who wish to take undergraduate or graduate level courses for personal or professional enrichment. No more than nine semester hours may be taken as a non-degree student. Applicants who wish to enroll in more than nine semester hours as a non-degree student must apply for permission from the Dean of the appropriate school.

Students applying for non-degree status who have not earned any degree will apply through Undergraduate Admissions as a special student. Students who already hold a Bachelor's or other degree will apply through Graduate Admissions.

The non-degree student must meet prerequisite course requirements for any course taken. Non-degree undergraduate students are not assigned an academic advisor and are allowed to register for courses on a space-available basis.

Courses taken as a non-degree student may not be applied to a degree until the applicant has completed the admissions requirements for that degree, including any required admissions test. These courses will be evaluated by the Registrar and the program director or chair. Policies regarding transfer courses will apply.

Tuition for undergraduate courses taken as a non-degree student is charged at the undergraduate tuition rate. Tuition for graduate courses taken as a non-degree student is charged at the graduate tuition rate.

Non-degree students should submit the following in order to be considered for admission:

1. An application for admission with the required essay; and
2. Official transcripts from the College or university where the student attended or completed an undergraduate degree

READMISSION

(Note: Graduate Students see Graduate Readmission)

Undergraduate students who have been away from Piedmont College for less than two years and have not attended another institution must apply for readmission. To reapply, submit an Application for Undergraduate Readmission form to the Registrar at least three weeks prior to the beginning of the semester for which you are seeking readmission. This form is available from the Registrar's Office or www.piedmont.edu/registrar.

Undergraduate students who have been away from Piedmont College for more than two consecutive years or who have attended other institutions since last attending Piedmont College must go through the complete admissions process. **The student will need to submit a new application available at piedmont.edu/apply.** They will be required to pay a \$100 matriculation fee and provide necessary documentation, including transcripts from all institutions, which must be presented to and accepted by the Admissions Committee.

Students who are readmitted may follow the program of study outlined in the current Piedmont College catalog or if no more than five years have elapsed, may continue the program outlined in the catalog in effect at the time they initially enrolled. Program requirements and procedures are subject to change pending requirements of accrediting organizations.

ACADEMIC FORGIVENESS POLICY

Academic Forgiveness allows former Piedmont students and prospective transfer students who experienced academic difficulty in the past to make a fresh start by removing roadblocks to being admitted and thus providing the opportunity to complete a Bachelor's degree.

Undergraduate students seeking admission or re-admission to complete a degree and who have been out of any post-secondary institution for a period of at least five years may petition for Academic Forgiveness. Academic Forgiveness will initiate a new grade point average (GPA) that will be used to determine academic standing.

GUIDELINES FOR ACADEMIC FORGIVENESS:

- A transfer or former student who desires Academic Forgiveness may have his/her transcript(s) evaluated for Academic Forgiveness upon written request to the Dean of Admissions. The written request should be sent with the Application for Admission. The Dean of Admissions will consult with the dean of the appropriate school and an admissions recommendation will be made to the Admissions Committee.
- Only grades of "C" or higher will be used in determining academic standing; however, all coursework will remain a part of the transcript. All attempted coursework will be used in calculating honors for graduation.
- Academic Forgiveness will be granted only one time.
- Granting of Academic Forgiveness does not supersede financial aid policies regarding satisfactory academic progress.

ADMISSIONS APPEAL

An applicant who is denied admission may appeal to the Dean of Admissions. The appeal to the Dean must be made in writing and submitted electronically. Once this is submitted to the Dean of Admissions, the original file and the letter of appeal will be submitted to the Admissions Committee for a decision.

EXPENSES

Piedmont's 2017-2018 tuition, room and board charges support the College's continued commitment to provide first-rate programs and facilities at an affordable rate.

TUITION CHARGES

The 2017-2018 tuition approved by the Piedmont College Board of Trustees is as follows.

Demorest Campus

Fall 2017/Spring 2018: \$12,132 per semester (\$24,264 per academic year) for full-time students taking 12-18 hours per semester. Students who are eligible to take more than 18 hours pay the part-time rate of \$1011 per additional credit hour. The tuition for part-time students taking 11 credit hours or less per semester is \$1011 per credit hour.

Summer 2018: Summer tuition for undergraduate students is discounted regardless of the number of semester hours taken and will be posted by spring 2018. Domestic and international academic travel expenses vary according to location, itinerary and duration. Because of the tuition discount, not all aid will be applicable during the summer semester. Students will need to contact the Financial Aid Office for questions regarding summer aid.

Athens Campus

Fall 2017/Spring 2018: \$9,036 per semester (\$18,072 per academic year) for full-time students taking 12-18 hours per semester. Students who are eligible to take more than 18 hours pay the part-time rate of \$753 per additional credit hour. The tuition for part-time students taking 11 credit hours or less per semester is \$753 per credit hour.

Summer 2018: Summer tuition rates for undergraduate students will be posted by spring semester 2018. Domestic and international academic travel expenses vary according to location, itinerary and duration.

Athens Nursing Students: Athens nursing students entering their junior and senior years will be charged at the Demorest tuition rate. Students enrolled in 12-18 credit hours will be charged \$12,132 per semester. Please contact the Financial Aid Office for questions regarding applicable financial aid.

Non-Degree Students

Non-Degree students are charged undergraduate rates for undergraduate level courses and graduate rates for graduate level courses based on campus of enrollment.

Leadership Studies

Students enrolled in Leadership Studies are charged the hybrid-online rate of \$596 per credit hour regardless of campus of enrollment.

TUITION CHARGE ADJUSTMENTS & REFUND POLICY

Drop, Add and Withdrawal from Course(s):

Tuition charges will be calculated based on hours of enrollment reported by the Registrar's Office. A student must notify the Business Office before dropping, adding, or withdrawing from a course to determine the effect on the student's financial aid and subsequent account balance. Students are responsible for checking the Academic Calendar for drop/add dates and dates to withdraw without academic penalty. The **Academic Programs section** of the Piedmont College catalog contains further information regarding these topics.

Adding a course(s) may result in a tuition increase and dropping a course(s) may result in a tuition decrease. Undergraduate students enrolled 12-18 hours are considered full-time students; therefore, the student pays the same tuition rate within 12-18 hours so tuition adjustments may not apply. For a student dropping all courses (during the drop/add period), tuition charges will be removed. Charges other than tuition will be incurred by the student. Classes that are removed from a student's schedule after the drop/add period are considered withdrawals. Tuition for any withdrawn courses will also be incurred. Please note: withdrawing from a course(s) and a total withdrawal will have different effects on a student's account due to changes in financial aid. For charging purposes, medical withdrawals are treated the same as a total withdrawal.

Total Withdrawal from College:

When a student withdraws from all classes, written notification must be given to the college Registrar. Depending on the withdrawal date, the college may adjust tuition charges according to the schedule below. A calendar with the appropriate tuition adjustment dates is published under the Student Accounts page on PilgrimNet. Dismissed students do not receive tuition adjustments. (Students who withdraw from all courses may fall under the Title IV Federal Aid Policy).

Courses spanning 16 weeks:

- 60% of tuition charges will be refunded if a student totally withdraws during the second week of the term
- 40% of tuition charges will be refunded if a student totally withdraws during the third week of the term
- 20% of tuition charges will be refunded if a student totally withdraws during the fourth week of the term
- No adjustments to charges will be made if a student withdraws after the fourth week of the term

Courses spanning 8 weeks:

- 50% of tuition charges will be refunded if a student totally withdraws during the second week of the term
- No adjustment to charges will be made if a student withdraws after the second week of the term

Courses spanning 4 weeks:

- 50% of tuition charges will be refunded if a student totally withdraws during the second week of the term
- No adjustment to charges will be made if a student withdraws after the second week of the term

Room and Board Charge Adjustments:

There are no adjustments for residence hall charges for students withdrawing during a semester. Meal plan charges will be pro-rated based on the date the withdrawal form is submitted.

Tuition Refunds

If at any time a credit balance is established on a student's account, the balance will be disbursed to the student within 14 days from the date of the credit balance.

Refunds for Excess Financial Aid

All refund checks are mailed to the student's address on file in the Registrar's office. If there is a Parent Loan on the student's account, the excess aid is returned to the guarantor at the guarantor's address. The amount refunded to the parent will not exceed the balance of the parent loan. If there exists an additional credit balance due after the parent loan has been refunded, the remaining credit balance will be refunded to the student at the address on file in the Registrar's office. Piedmont College adheres to Title IV regulation which requires credit balances be refunded within 14 days of the credit appearing on the student account. Any federal or state aid that is disbursed but not accepted by the student, or parent in case of parent loans, will be returned to the appropriate department within 240 days from the time the refund was first issued. The term "not accepted" includes refund checks which are issued but are not cashed by the student or are returned by the postal service as undeliverable if no forwarding address can be obtained from the student.

ROOM AND BOARD CHARGES

Charges for the 2017-2018 academic year are \$2,751 per semester/\$5,502 per academic year for a dorm (Piedmont Village charges are outlined in the following paragraph). Board charges will vary based on the meal plan chosen. Freshmen are required to have the 19 meal plan which includes a \$150 declining balance per semester, at the cost of \$2,184 per semester/\$4,368 per academic year. Sophomores/Juniors/Seniors may choose the 250 Block meal plan which includes a \$100 declining balance per semester, at the cost of \$1,822 per semester/\$3,644 per academic year or the 170 Block meal plan which includes \$235 declining balance per semester at the cost of \$1,782 per semester/\$3,564 per academic year. This includes room expense and access to the cafeteria seven (7) days per week during normal operating hours. All resident students are required to enroll full-time and have a meal plan. Meal plan election may take place at any time prior to the beginning of a term and during the drop/add period. Students who are enrolled in clinicals or who are student teaching may elect to enroll in the 7 meal plan outlined in the Piedmont Village section (p. 15).

Summer Room & Board: Availability and cost for summer room & board will be posted by spring semester 2018.

PIEDMONT VILLAGE CHARGES

Charges for the Piedmont Village for the 2017-2018 academic year are \$2,751 per semester/\$5,502 per academic year. A 7 meal plan per week which includes a \$450 declining balance per semester at the cost of \$1,769 per semester/\$3,538 per academic year is available as an option for the residents of the Piedmont Village and/or boarding students enrolled in clinicals or student teaching. Students in the Piedmont Village may also choose from the 19 meal plan & 17 meal plan.

ACCOUNT STATUS

Students are responsible for checking their account status online by logging into the student portal, PilgrimNet, or by contacting with the Business Office at the beginning and end of each term to make sure all financial arrangements are current.

ADVANCE DEPOSITS/MATRICULATION DEPOSITS

New Undergraduate Students: To confirm intent to register and ensure a request to process financial aid, new undergraduate students must deposit \$100 on their account. This non-refundable matriculation deposit will be applied to the first semester in which the student enrolls.

New students submitting an application for campus housing are required to submit an additional \$250 non-refundable housing deposit. This deposit will be applied to the first semester in which the student enrolls.

Returning Students: Students may reserve a room for the upcoming fall semester (during the allotted reservation period) that is held each spring semester. The housing deposit for returning students is a non-refundable \$50. If the deposit is not received during the housing reservation period, a deposit of \$250 will be required. This deposit will be applied to the following semester's housing charges.

Nursing Students: Once a student is accepted in the School of Nursing, a deposit will be required to hold the student's place in the school. The deposit will be specified by the School of Nursing. When the student registers for the initial semester in the nursing program, this deposit will be credited to the student's tuition. For more information, please see the School of Nursing section (p. 148).

All deposits are non-refundable and will be forfeited if the student does not enroll.

ADDITIONAL CHARGES

Applied music - private lessons	\$100 per credit hour
Technology Fee (per semester)	\$100/semester
Nursing ATI Fee (Nursing students only)	\$100/semester
EVALUE Fee (Athletic Training & Cardiovascular Technology students only)	\$75/semester
Returned check (first occurrence)	\$35
Returned check (second occurrence) (No future checks accepted)	\$50
Experiential credit (per credit hour)	\$50
Matriculation deposit (new undergraduate student) (Please see School of Nursing section for information about the Nursing deposit)	\$100
Transcript (paper copy)	\$8.25 each
Transcript (electronic copy)	\$6.25 each
Transcript (in office next day processing)	\$10.00 each
Transcript (in office pick up same day)	\$20.00 each
Housing deposit (new student)	\$250

Housing deposit (returning student)	\$50
Application for graduation for undergraduate students	\$100
Late fee for graduation applications submitted past published deadlines	\$100
Replacement diploma	\$100
Replacement student ID	\$25
Fax service	\$2 first page, \$1 additional pages

*Applications for Graduation must be submitted by the posted deadlines (see the Academic Calendar found online at www.piedmont.edu/registrar). Applications received after the posted deadline will be processed the following semester.

WITHDRAWAL POLICY

Course registration creates a financial obligation to the college. The tuition refund policy is only effective upon receipt of an official withdrawal notice. Non-attendance is not withdrawal. For additional details see the section on Tuition Charge Adjustments (p. 13).

ACCOUNT BALANCE AND COLLECTION FOR NON-PAYMENT

Students must pay in full or make payment arrangements with the Business Office before they can complete registration and officially enroll in classes. Any student who has not satisfied their financial obligation either by payment in full or satisfactory payment arrangement prior to the beginning of the term may have their registration voided. Students with past due account balances cannot attend class or live in residence halls. Outstanding account balances will also prohibit future course registrations, transcript processing and release of diplomas. Students whose accounts remain unpaid may be sent to a third party for collection. Upon registration, students agree to reimburse Piedmont College the fees assessed by any agency, which may be based on a percentage at a maximum of 33.3% of the debt, and all costs and expenses, including reasonable attorney's fees incurred in such collection efforts. More information can be found on the Student Financial Agreement, which is displayed during online registration and additionally can be provided by the Business Office as a hard copy upon request.

OUTSIDE SCHOLARSHIPS

Outside Scholarships (also known as Private Scholarships) are scholarships which a student receives from an outside entity. The award letter or certificate and the scholarship check from the entity should be sent to the Business Office for processing. Unless otherwise stated, awards will be applied to the first semester of enrollment. Students may contact the Business Office to request that funds be spread over the academic year.

TERMS OF PAYMENT

Tuition, Room/Board and other charges must be paid by published deadlines. Payment installment arrangements may be made using the Piedmont College Payment Plan (PPP). The charge for using PPP is \$40 per semester during the fall and spring semesters. There is no payment plan fee for the summer semester. No interest charges will be incurred with the PPP; however, a \$15 late fee will be assessed on any payment received greater than five days beyond the payment due date. For additional information please visit the Student Accounts webpage at www.piedmont.edu/business-aid. International students are responsible for paying their balance in U.S dollars using either a wire transfer to Piedmont College or by providing a check for payment from a U.S. Bank. Payments from international credit cards are also accepted through the student portal, PilgrimNet, or by using the online payment method at www.piedmont.edu/business-aid. Please contact the Business Office for further details.

FINANCIAL AID

The Piedmont College Financial Aid Office will assist students and parents who seek financial resources for attendance at this institution. Students receiving financial aid must maintain satisfactory academic progress in order to continue to receive financial assistance. The Vice President for Academic Affairs supervises and approves the awarding of all institutional aid.

APPLICATION PROCEDURES

There are four primary sources of student financial assistance: federal, state, institutional and third-party sources. The financial aid application procedures for undergraduate and graduate students are available on the Financial Aid website at www.piedmont.edu.

Federal Assistance

In order to receive federal student aid, a student's financial need must be established by completing a Free Application for Federal Student Aid (FAFSA). This form may be completed online at www.fafsa.ed.gov. Contact the Piedmont College Financial Aid Office at (706) 776-0114 with questions. For technical help when applying online, call the Federal Aid Help Line at 1-800-4-FED-AID. Students must request a copy of the FAFSA report be sent to Piedmont College. **The Piedmont College federal aid school code is 001588.**

The federal processor responds to the FAFSA with a Student Aid Report (SAR). This document contains a Need Analysis Form from which need-based aid is calculated. Need-based aid includes the Federal Pell Grant, the Federal Supplemental Educational Opportunity Grant, the Federal Subsidized Stafford Loan, the Federal Work Study Program, and several institutional programs.

The SAR has assigned to it an Expected Family Contribution (EFC) number which reports the amount the federal government expects the family to be able to contribute toward the student's cost of education. Educational costs include tuition, room, board, books, transportation, and personal expenses. The SAR also indicates whether a student is eligible for the Federal Pell Grant and other need-based aid.

After the EFC is established on the FAFSA, eligibility for the various student loan programs offered by the Federal Government can be determined. Piedmont College participates in the Federal Direct Student Loan Program. These loans may be either subsidized or unsubsidized, based upon financial need and dependency status. Graduate Students are not eligible to receive subsidized student loans. Amounts vary based upon academic grade level. Loan funds are borrowed directly from the U.S. Department of Education, and funds are credited to the student's account at Piedmont College. Repayment begins after the student is enrolled less than half time or graduates. Visit www.studentloans.gov for more information. Parents can also apply for a loan to assist with educational expenses for a dependent child. This is a non-need based program, and therefore, all parents can apply. Normal credit standards are used to determine whether a parent is approved for the loan. Loan amounts cannot exceed the cost of attendance less any financial aid received. Visit www.studentloans.gov for additional parent loan information.

TITLE IV FEDERAL AID POLICY

Federal financial aid funds are awarded with the expectation that students will complete the entire period of enrollment. Students "earn" a percentage of the funds with each day of class attendance. When a student receiving federal financial aid funds (Title IV Funds) leaves school before the end of the semester or period of enrollment, federal law may require Piedmont College to return funds. Piedmont College is required to calculate the percentage and amount of "unearned" financial aid funds (including loans) that must be returned to the federal government. Once a student has completed more than 60% of the enrollment period, a student is considered to have earned all funding awarded. This calculation may require the student to repay funds that have already been disbursed. Students are encouraged to meet with the Financial Aid Office and Business Office prior to making the decision to withdraw from school.

For more information regarding withdrawals, please see the Academic Programs section (p. 26) of the catalog. For questions regarding the Title IV Federal Aid Policy, please see the Financial Aid Office.

SATISFACTORY ACADEMIC PROGRESS FOR UNDERGRADUATE STUDENTS

The U. S. Department of Education mandates that institutions of higher education establish minimum standards of "satisfactory academic progress" for students receiving financial aid. Piedmont College applies these standards to all applicants for Federal Grants (Pell, FSEOG, and Teach Grant), Federal Stafford loans, Federal Work Study, state scholarships/ grants (HOPE, GTEG, et al.), and Piedmont College Scholarships.

Standards

Satisfactory Academic Progress (SAP) is determined by careful evaluation of qualitative and quantitative criteria. Determination of SAP will be made at the end of each semester.

1. **QUALITATIVE CRITERIA** - To be eligible for financial aid, a student must have a minimum institutional grade point average (GPA) of 2.0.
2. **QUANTITATIVE CRITERIA** - Financial aid recipients must show measurable progress toward earning a degree by successfully completing at least sixty-seven percent (67%) of all college-level courses they attempt at Piedmont College. This standard will be applied to current students, former students, and transfer students. Semester hours completed will be those college level courses in which a student has received a grade of A, B, C, D or P. Semester hours attempted will include all college level courses for which a student has received a grade of A, B, C, D, F, P, I, NP, W, WF, or NR. Hours and grades for repeated courses will be used in this determination. The Financial Aid Office receives a report from the Registrar's Office of students who receive all F's for the semester and whether or not the student unofficially withdraws.
3. **MAXIMUM LENGTH OF STUDY AT PIEDMONT COLLEGE** - Federal regulations prohibit a student from receiving aid after they have attempted 150% of the hours required for their degree. A student accepted into a degree program may attempt no more than 150% of the required hours in required courses for the degree. (Hours for repeated courses will be included in the total number of attempted hours.) Once a student exceeds the maximum length of study, they will no longer be considered making satisfactory academic progress and will not be eligible for financial aid.
4. **ACADEMIC EXCLUSION** - If a student is placed on academic exclusion, eligibility for financial aid will be terminated. When students are removed from academic exclusion, they must contact the Financial Aid Office to request a review of their SAP.
5. **FINANCIAL AID WARNING** - Failure by the student to attain the minimum GPA and a 67% completion rate of all college level courses attempted at Piedmont College will indicate the student is not making SAP. In most cases, the first time it is established that a student is not making SAP, they will be placed on financial aid warning and will be eligible for financial aid for one semester.
6. **FINANCIAL AID PROBATION** – A student who fails to meet SAP for two consecutive semesters or is academically excluded from Piedmont College may appeal to be placed on Financial Aid Probation. Students are eligible to receive financial aid for one semester while on probation at which time they must meet the condition of their academic plan or meet SAP.
7. **APPEALS PROCESS** - If there are extenuating circumstances that prevent a student from making SAP for two semesters or enrollment periods, resulting in a status of Financial Aid Exclusion, it is possible to appeal to the Office of Financial Aid for a review of those circumstances as they relate to the student's academic standing. A typewritten explanation of the extenuating circumstance(s) must be submitted to the Office of Financial Aid within **two weeks** of being notified of the Financial Aid Suspension status.

A written financial aid appeal MUST include these two components:

- a. **The extenuating circumstances that resulted in the student's failure to make SAP.** Acceptable circumstances on which a student could base an appeal are those that could not have been foreseen at the beginning of the semester or enrollment period, and that were completely beyond the students' control. They could include serious injury, illness (physical or mental) of the student or an immediate family member, death of an immediate family member, or other extenuating circumstances. Appeals should include a detailed description of the applicable circumstances, along with related documentation (i.e., statement from physician or other healthcare provider, report from law enforcement or social services agency, copy of death certificate, etc.) that supports those circumstances.
- b. **The positive changes that have occurred that will ensure the student can achieve SAP by the next evaluation.** The student must include information regarding extenuating circumstances that will no longer exist or be an issue, as well as any additional measures that will be taken to ensure he/she will make SAP during the probationary semester or enrollment period, if granted.

The Director of Financial Aid, or another designated senior member of the Financial Aid Office will review each written appeal, along with relevant academic history. The student will be notified via his/her Piedmont College email account of the appeal decision. A student whose appeal is approved, may receive financial aid for one probationary semester or enrollment period, after which another SAP review will be conducted. A student who fails to meet the academic requirements outlined in the Financial Aid Probation email notification will be placed on Financial Aid Exclusion for a second and final time, after which there is no option for appeal.

8. **REESTABLISHING ELIGIBILITY** - In the event of termination of financial aid, a student will again be considered making SAP once the student has attained the minimum GPA and a 67% completion rate of all college level courses attempted at Piedmont College. When this occurs, the student should contact Financial Aid to request a review of the student's SAP. Classes taken after

losing eligibility will be at the student's expense, using funds other than Federal Grants (Pell, FSEOG, and Teach Grant), Federal Stafford loans, Federal Work Study, state scholarships/grants (HOPE, GTEG, et al.), and Piedmont College Scholarships. A student who re-establishes eligibility and then subsequently falls below minimum SAP requirements will be denied financial aid. A student who exceeds the maximum length of study at Piedmont College (item C) cannot re-establish eligibility.

FEDERAL TEACH GRANTS

Piedmont College participates in the Federal TEACH Grant Program for undergraduate and graduate students. Interested students are encouraged to research the program and submit an application to the Piedmont College Financial Aid Office. The Federal TEACH Program is available to first baccalaureate and first post-baccalaureate degree students only. At Piedmont College, students enrolled in the Education Specialist or Doctoral Program are ineligible for this program.

- The TEACH Grant Program was created by Congress in the College Cost Reduction and Access Act. For more information call the Federal Information Student Center: 1-800-4-FEDAID or view the website www.teachgrant.ed.gov
- In exchange for receiving the TEACH Grant, students must be a highly-qualified, full-time teacher in a high-need subject area for at least four years at a school serving low-income students. For a list of low income schools please see list at: www.teachgrant.ed.gov

If you have any question regarding financial aid, please contact the Financial Aid Office at 706-776-0114 or via email to finaid@piedmont.edu.

STATE ASSISTANCE

The State of Georgia has several aid programs available to students who meet eligibility requirements.

To apply for any type of state assistance, students must complete a FAFSA for the year they wish to receive aid or complete a GSF App online at www.gacollege411.org.

HOPE/Zell Miller for Students Attending Private Colleges

A student wishing to receive the HOPE/Zell Miller Scholarship while at Piedmont must meet the qualifications listed on the Georgia Student Finance Commission website www.gacollege411.org.

Move on When Ready Program

The Move on When Ready Program is administered by the Georgia Student Finance Commission. It is designed to provide participating high school students with financial assistance toward the cost of postsecondary course work. In order to be eligible for Move on When Ready funds, a student must be enrolled in college degree-level courses.

The purpose of the Move on When Ready Program is to provide Georgia high school students and Georgia home school students with an opportunity to earn college degree-level credit hours as they simultaneously meet their high school graduation requirements. The program regulations for the Move on When Ready Program are provided at www.gacolleges411.org.

VETERANS ADMINISTRATION EDUCATION BENEFITS

Piedmont College is an approved Institution of Higher Learning with the Veterans Administration with many approved programs. The college is also a participant in the Yellow Ribbon Program. Information regarding education benefits is available on the VA website at www.gibill.va.gov/GI_Bill_Info/benefits.htm.

Students receiving benefits under certain Veterans Administration program are not eligible for Piedmont's Neighborhood Grant Program and are not be eligible for Piedmont scholarship grants that are credited towards tuition.

SCHOLASTIC ACHIEVEMENT AWARDS

Institutional Scholarship Programs

The scholarship and grant program at Piedmont College is designed to assist a wide range of students from various backgrounds. Funds are awarded annually to students who exhibit exceptional academic and leadership skills, as well as to those who are in need of financial support and have demonstrated an enthusiasm for learning. Any scholarships above the cost of room, board and tuition will be returned to the scholarship fund. Annual awards are based on the availability of funds

Academic Major Scholarships

The School of Arts and Science, Education, Business and Nursing offer scholarships based on academic performance and dedication to the field of study. All Demorest undergraduate students can apply for these scholarships after they have declared a major. Full-time enrollment is required. A scholarship committee within each school will determine recipients upon the approval of the Vice President for Academic Affairs.

Alpha Chi Scholarship

This scholarship is awarded to one graduating high school senior from each of the following Georgia counties: Habersham, Banks, Hall, White, Stephens, Rabun and Towns. Recipients are selected based on a combination of GPA, SAT, and the quality and nature of high school activities.

Athens Campus Scholarship

This scholarship was established by the President of Piedmont College. The number of recipients varies from year to year. Recipients are required to enroll full time, attend the Athens Campus and be actively involved on campus. To be eligible for renewal, students are required to maintain a 2.5 cumulative GPA at the end of each semester.

Camp-Younts Scholarship

This scholarship was established by Dr. Harry W. Walker II and the Camp-Younts Foundation. Recipients are chosen from first-time freshmen applicants with an average score of 1180 or higher on the SAT math and verbal section or a 26 or higher on the ACT composite score. Recipients must maintain a minimum cumulative GPA of 3.5 or higher at the end of each semester to remain eligible for renewal. The recipients are required to live in campus housing and be actively involved on campus.

Dean's Scholarship

This scholarship was established by the Board of Trustees of Piedmont College. The number of recipients varies on a yearly basis. Recipients are required to live in campus housing and be actively involved on campus. To be eligible for renewal, students are required to maintain a minimum 2.75 cumulative GPA at the end of each semester.

Fine Arts Scholarship

These scholarships are awarded for students in art, music or theatre. Applicants must demonstrate talent in one of these areas by either auditioning or by providing a portfolio. Annual awards may be renewable if approved. All inquiries should be directed to the individual departments.

Century Scholarship

In recognition of Piedmont College's 117-year history, this award recognizes undergraduate boarding students for their outstanding academic and extra-curricular accomplishments. Annually renewable, the scholarship rewards students who actively participate in classroom, campus, and community activities that demonstrate good citizenship and character development during their high school or college careers. Specific award amounts and number of recipients may vary depending on available institutional resources and individual qualifications. To continue receiving this award, students must maintain a minimum 2.5 cumulative GPA each semester, reside on campus, and continue active involvement in campus and community activities throughout their undergraduate years at Piedmont College.

Lion Grant

Students who enroll at Piedmont College during high school as a dual-enrolled student have a distinct advantage to receive additional scholarships if they enroll as full time freshman. The Piedmont College Lion Grant Program offers up to \$2,500 per year to students who enroll and reside on the Demorest campus. This Lion Grant can be in addition to other academic and need-based grants, loans, and scholarships offered by Piedmont. The scholarship is only available fall and spring semesters. This grant requires acceptance to Piedmont, first-time boarding freshman status and involvement in at least one club or activity on campus. This grant is renewable as long as the student maintains a cumulative 3.0 GPA while at Piedmont and resides on campus. Students must have completed at least one term at Piedmont while still in high school, and earned a minimum 3.0 college grade point average or better.

Neighborhood Grant Program

To qualify for the Neighborhood Grant Program, a student must show permanent residence in one of the following counties: Banks, Dawson, Elbert, Franklin, Forsyth, Habersham, Hall, Hart, Jackson, Lumpkin, Madison, Rabun, Stephens, Towns, Union or White. Prospective students must be at least 25 years of age at the start of the semester and pursue a first bachelor's degree through either day or evening classes at the Demorest Campus. A student must enroll in six or more hours per semester to qualify. Applicants may be eligible for additional state, federal, and STEP financial aid, but are ineligible for other institutional scholarships and grants. Students receiving benefits under the Post-9/11 and/or Yellow Ribbon Veterans Administration programs or students admitted into the R.H. Daniel School of Nursing and Health Sciences Nursing program and Leadership Studies are not eligible for the Neighborhood Grant Program.

Piedmont College Need-Based Grant

This grant was established by the administration of Piedmont College to help students meet unmet need as defined by the United States Department of Education. Recipients are required to maintain satisfactory academic progress. Award amounts will vary and may be adjusted each year. A student will be evaluated for the grant when a valid FAFSA is received by the college.

Piedmont Premier Scholarship

This scholarship was established by the President of Piedmont College. Recipients are chosen from first-time freshmen applicants who are the valedictorian of their graduating high school class. Recipients must maintain a minimum cumulative GPA of 3.5 or higher at the end of each semester to remain eligible for renewal. The recipients attending the Demorest Campus are required to live in campus housing.

Presidential Scholarship

This scholarship was established by the Board of Trustees of Piedmont College. The number of recipients varies from year to year. Recipients are required to live in College housing and be actively involved on campus. To be eligible for renewal, students are required to maintain a 3.0 cumulative GPA at the end of each semester.

Pride Scholarship

This scholarship was established by the administration of Piedmont College. The number of recipients varies from year to year. Recipients are required to live in College housing and be actively involved on campus. To be eligible for renewal, students are required to maintain a 2.5 cumulative GPA at the end of each semester.

R.H. Daniel Nursing Scholarship

This scholarship is awarded to students admitted into the R.H. Daniel School of Nursing and Health Sciences Nursing program. The number of recipients and scholarship amounts will vary. Typically, a successful candidate will have a 3.0 or higher cumulative GPA. Recipients must stay in good academic standing and remain in the nursing program to continue to receive this scholarship.

Trustee Scholarship

This scholarship was established by the Board of Trustees of Piedmont College to reward top academic applicants. The number of recipients and the amount of the award vary from year to year. Recipients must maintain a cumulative GPA of 3.25 or higher at the end of each semester to remain eligible for renewal. The recipients are required to live in college housing and be actively involved on campus.

Lettie Pate Whitehead Scholarships

The Lettie Pate Whitehead Foundation is dedicated to the support of needy women in nine southeastern states. The Foundation provides scholarship awards to colleges for deserving female students. Influenced by the generous example of his parents, Conkey Pate Whitehead provided in his will for the creation of the Lettie Pate Whitehead Foundation as a memorial to his mother. The Foundation was chartered in 1946 to help deserving women. For more information visit www.lpwhitehead.org.

STUDENT LIFE

Student Life and Leadership at Piedmont College goes beyond social events, club meetings, and building one's resume. Our mission is to provide leadership and programming opportunities for you to become an active member of our community. There are many activities available for you to enjoy, explore, and establish skills through practical learning experiences. We want you to get involved in campus life and start building your legacy!

ATHLETICS

Piedmont College's program of intercollegiate athletics is designed to promote student interest in athletics, to foster sound physical development, and to foster good sportsmanship.

Intercollegiate sports include men's and women's teams in basketball, cross country, golf, lacrosse, soccer, tennis, track & field, and cycling; women's softball and volleyball; and men's baseball. The College also sponsors cheer-dance at the club level.

Athletic facilities include a gymnasium, tennis courts, softball, baseball, and soccer/lacrosse fields, and beach volleyball courts. Athletic teams have priority in the usage of these facilities. Piedmont College's Johnny Mize Athletic Center includes a multi-use basketball and volleyball arena named in honor of Coach O'Neal Cave, capable of seating 1,200 spectators. In addition, the Athletic Center houses an elevated running track, locker rooms, offices, an athletic training facility for intercollegiate athletics, as well as a classroom. The Johnny Mize Museum is also located on the top floor of the center. The Loudermilk Baseball Complex includes a lighted playing field and covered bleachers as well as indoor training facilities that provide for the needs of both baseball and softball. The Walker Athletic Complex includes a lighted softball field with bleacher seating. It also includes a lighted turf field with bleacher seating for both soccer and lacrosse. The Burgen Tennis Courts include six fenced hardtop lighted courts with terraced hillside seating. Piedmont College is a member of NCAA (National Collegiate Athletic Association) Division III, with teams competing in the USA South Athletic Conference. The Cycling Team competes under the guise of USA Cycling.

CAMPUS ACTIVITY BOARD

The Campus Activities Boards, active on both Demorest (CAB) and Athens (ACAB) campuses, provide a variety of programming and strive to engage all students in the Piedmont College Community. The purpose of the organizations is to promote social interaction and involvement to enrich campus life on both campuses. CAB and ACAB provide opportunities for students to develop enhanced leadership knowledge through student-led program development. The organizations also schedule a variety of events including entertainers, open mics, and other activities such as movie nights, shopping trips, and various Atlanta-based events.

CLUBS

The College encourages students to develop clubs around common interests. A student club or organization at Piedmont College can be defined as a group of students joined together in the pursuit of a common educational or co-curricular purpose that supports the mission and values of the Office of Student Activities and of Piedmont College. The Student Government Association maintains a current listing of all groups and their purposes. Information on forming clubs may be found in the Student Handbook on the website and on PilgrimNet.

Student Organizations at Piedmont College provide quality programs, services, and leadership opportunities that will enhance classroom learning and complement the Piedmont experience. Student organizations help to enrich academic and professional endeavors, promote ethical and moral development, encourage civic engagement, provide leadership development, foster an appreciation for diversity, and support the establishment of meaningful interpersonal relationships.

FITNESS CENTER

The College operates fitness centers on the Demorest and Athens campuses. Hours and forms required for membership are available on the website. The fitness centers are open to current students, faculty, and staff and include the use of all equipment and attendance to group fitness classes. Current news and events are posted on the Piedmont College Fitness Center Facebook page.

INTRAMURALS

The College offers single event and league play during the school year on both campuses. All registration forms may be accessed through the website or in the Fitness Center. Current news and intramural events are posted on the Piedmont College Intramural Facebook page.

LYCEUM

A series of lectures, concerts, and plays is presented to develop an appreciation of literature, music and the other art forms. Programming has included performances by guest artists, music faculty, and college ensembles; various theatre productions, and lectures by artists and writers from across the United States.

MUSIC ENSEMBLES

The Piedmont College Singers is an auditioned vocal chamber ensemble of mixed voices that presents special programs during the academic year and serves as the College's touring choir. Opera Workshop gives singers experience in performing excerpts from some of the world's great operas. Cantabile is an elite group of mixed voices chosen from the Piedmont College Singers. This auditioned group performs jazz, pop arrangements, and avant garde compositions in concerts on campus for special events and on tour across the state and the nation. The Piedmont Chorale is a non-auditioned choir composed of students, faculty, staff and members of the community. It presents two concerts per year as part of the College's Lyceum series. The Wind Ensemble is an ensemble of woodwind, brass, and percussion players. In addition, there are chamber ensembles available for woodwinds, brass, percussion, strings, and collaborative piano. Private instrumental instruction is strongly suggested while a member of the Wind Ensemble and Chamber Ensembles. Auditions are required.

PUBLICATIONS

The Roar is the student media organization of the College, consisting of an online news site (www.piedmontroar.com) and a bi-weekly print newspaper that is distributed throughout both campuses. *The Yonahian* is the College yearbook, named for Mount Yonah, a prominent Blue Ridge peak in north Georgia. These publications are produced by students under the guidance of a faculty advisor in the department of mass communications, but participation is open to all Piedmont students.

RADIO STATIONS

WPCZ, 98.7 FM, is the student-operated campus radio station. WPCZ can be heard in Demorest at 98.7 FM or streaming worldwide at www.piedmontroar.com/wpcz. Mass communications majors are encouraged to become part of the WPCZ staff.

RELIGIOUS LIFE

Piedmont College has been affiliated with Congregational churches since 1901, and is now affiliated with both the United Church of Christ and the National Association of Congregational Christian Churches. A resource for the entire College community regarding matters of faith, the Campus Minister provides oversight for religious activities and organizations and is available for counseling for all students. In keeping with the Congregational heritage and church affiliations of the College, the Campus Minister respects that persons from all faith traditions act according to conscience. The College Chapel in Demorest and the Meetinghouse in Athens are spaces designated for worship under the guidance of the Campus Minister. In order to uphold the tenets of Congregationalism espoused by Piedmont College, we regret that these spaces are not available for use beyond those employed by the College, whether for religious or alternate purposes.

RESIDENTIAL HOUSING, DEMOREST CAMPUS

Residential housing is available on the Demorest Campus only. The residential program is designed to enhance the academic and social lives of the residential students. The staff, services, and facilities are designed to meet residents' needs with a balance of structure and flexibility. Currently we house approximately 700 undergraduate and graduate students in 10 residence halls with both traditional and apartment style accommodations.

All intercollegiate athletes are required to live on campus. All undergraduate students enrolled on the Demorest Campus must reside on campus with the following exceptions:

- Students living at the primary residence of their parents or legal guardians in Habersham, Banks, Hall, Rabun, Stephens, Towns, or White counties;
- Married, divorced or widowed students or students with dependents;
- Students who are 21 years of age on the first day of registration for the fall term.

Certain Piedmont College scholarships require students to live on campus, and a change in residential status may result in loss of scholarship. Changes in campus living assignments must be approved by the Director of Residential Education. Students residing in a residence hall may not move off campus during the regular academic year except when there is a change in marital status. The College is unable to provide housing for married students or families.

STUDENT GOVERNMENT ASSOCIATION (SGA)

The Student Government Association addresses student concerns, promotes student initiatives with the administration, and has general responsibility for all student organizations and student-sponsored campus activities. SGA provides student governance of appropriate student-led activities in a manner consistent with the mission of Piedmont College. The Association's purpose is to work with the faculty, staff, and administrators of the College to build a stronger, more effective educational community.

STUDENT HANDBOOK

The current Piedmont College Student Handbook including the Code of Conduct can be found [here](#).

SERVICES

Alumni Association

The Office of Institutional Advancement acts as liaison between the College and its alumni. The Piedmont College Alumni Association is open to any person who matriculated and left in good standing. There are no membership fees. The association is led by five officers elected annually by the Alumni Association Board of Directors, who are elected by members of the board for a one year term, serving no more than two consecutive terms. The officers and directors make up the Alumni Association Board of Directors, which governs policies, finances and activities of the association.

The Piedmont College Letter Club, also known as the P-Club, is the organization that acts as the College booster club and as the organization that sponsors the Piedmont College Athletic Hall of Fame. The P-Club is open to all former Piedmont College athletes, friends, or supporters of Piedmont athletics. Funds raised by the club support the entire athletic department, as well as the Hall of Fame and individual sports. An advisory board of 8-12 members lead the club.

Career Counseling

The Career Services Office provides a comprehensive program for career development. Services include resume preparation, assistance with job search techniques, and improving interviewing skills. Additionally, the Career Counseling Office host workshops, webinars, and sponsors trips to Career Fairs held throughout Georgia. On the Career Services website <http://www.piedmont.edu/students-career-services> Piedmont students and alumni will find access to additional career resources.

Disabilities Support

Piedmont College supports the efforts of every student to become a self-sufficient learner and encourages any student needing accommodations to seek support as early as possible. Piedmont College is committed to providing an accessible learning environment and willingly makes reasonable accommodation for individuals with documented disabilities. Section 504 of the Vocational Rehabilitation Act of 1973 and The Americans with Disabilities Amendment Act of 2008 (ADA) assure persons with disabilities equal opportunities for access in programs and activities that receive federal financial assistance.

Upon acceptance to Piedmont, students seeking accommodations should meet with the Director of Disabilities Support to discuss individual circumstances. Students should also speak with their professors and advisors. Appropriate written documentation of disability is required and any accommodation provided is based upon individual need and existing academic requirements. All accommodations must be consistent with established academic requirements and standards of Piedmont College, and a student with accommodations continues to be responsible for his/her education and personal needs.

Each semester accommodations will be reviewed and revised as necessary.

For further information, contact the Director of Disability Support:

Gene Pease, Ed.D.

Director of Disability Support

Associate Professor-R

gpease@piedmont.edu

Learning Center

The Learning Center offers academic support in all areas, including accounting, foreign languages, math, science, and writing. Our tutors are selected by department chairs, trained in the art of tutoring, and monitored to provide the individualized attention our students need to achieve their personal best. In addition to tutoring, the Learning Center offers computers and printers, internship assistance, peace and quiet for study, and professional development consultation to assist with the writing of your CV, statements of purpose, and capstone projects. To make an appointment with a tutor, or find more information about the learning center, use this address: <http://www.piedmont.edu/learning-center>.

Personal Counseling

Personal counseling is provided in a safe, confidential atmosphere and is available to assist students with personal, developmental, or psychological concerns related to their academic progress and personal growth. Through individual counseling, group counseling, and referrals to campus and community resources, personal counselors are committed to supporting students who have personal issues that hinder their academic success.

Personal counselors can assist with and/or provide resources for a variety of topics, such as adjustment to college life, stress, depression, anxiety, loneliness, sexuality, eating issues, perfectionism, academic concerns, discrimination, transition difficulties, and relationship issues with a partner, relative, or child. Personal counselors help students develop new strategies for dealing with these challenges or to help clarify students' feelings through self-exploration and discovery.

Counseling appointments are requested by email and services are provided at no charge to students. As necessary, students are referred to outside professional resources. The counseling office is located in the Student Success Center in Demorest and in Athens. For more information, <http://www.piedmont.edu/counseling-services>.

ACADEMIC PROGRAM

MATRICULATION

Matriculation at Piedmont College establishes a covenant between the student and the College. Through its faculty and administration, the College agrees to do its best to assist the student's intellectual and personal development. The student agrees to study and work conscientiously, as well as to abide by the College's rules and regulations.

ACADEMIC YEAR

The regular academic year is divided into fall and spring semesters, each approximately 16 weeks in length, with two 4-week day sessions and one 8-week evening session during the summer.

The College offers both day and evening classes, with limited weekend offerings. During the fall and spring semesters, evening and weekend classes are offered in two eight-week sessions each semester in Athens and Demorest.

Students may be admitted at the beginning of any semester. However, for the best orientation to college life and to take advantage of the planned sequence of courses, fall admission is recommended.

ASSESSMENT

To ensure the realization of its mission, Piedmont College is involved in continuous assessment to measure, and to improve where needed, the quality of the learning experience. Since learning is not limited to classroom experiences, neither is assessment. Assessment is systematically administered throughout the College.

Assessment includes evaluation of departmental programs, evaluation of the general education requirements and evaluation of the overall college environment.

Academic schools design and implement their own assessment procedures, following institutional guidelines, to evaluate the quality of their programs.

In addition, student and alumni surveys and other assessment techniques are regularly conducted in order to ascertain the overall quality of the educational experience at Piedmont.

ACADEMIC ADVISEMENT

The college is committed to the developmental model of academic advising. As such, advising is viewed as a partnership of shared responsibility between the student and advisor, with the advising process as an extra-classroom, teaching-learning experience that emphasizes the importance of personal and social factors that contribute to the quality of the student's academic experience and the achievement of life goals.

Upon entering the College, a student is assigned either a freshman advisor or a major advisor, depending on class standing and declaration of a major. The advisor works with the student not only in the choice of courses and with academic matters in general, but also to ensure a rich and rewarding educational experience that will lead to the fullest realization of a student's potential as an individual.

PIEDMONT COLLEGE LIBRARY

The mission of the Libraries of Piedmont College is to support the academic programs and research of the College community by facilitating the information access and instructional needs of all its members, wherever they are located.

To accomplish our mission, the Libraries will provide

- the facilities, tools, and resources needed to support, enhance, and extend the academic work and research of all members of the College community;
- a selection of resources that portrays the intellectual, spiritual, and artistic heritage of humanity, beyond the immediate needs of classwork and research;
- a pleasant and welcoming environment that encourages effective and productive use of the Libraries by all members of the College community and the community at large;
- assistance and instruction for all members of the College community to develop information-seeking and research skills from which they may benefit throughout their lives.

The Libraries of Piedmont College consist of two physical locations and an extensively developed online virtual library.

The Arrendale Library on the main campus at Demorest provides a collection of more than 100,000 volumes; many public-access computers and a wireless network; study rooms and carrels; conference rooms; and the College archives. The MAYFLOWER is the Library's online catalog, a state-of-the-art, web-accessible system. The Library provides access to many online research services; participates in GALILEO, the online library of the State of Georgia; and provides access to its collections and services via its web page, library.piedmont.edu.

The Athens Campus Library provides a collection of circulating books and reference resources; full access to all online services; and a wireless network and public-access computers.

Both libraries, their collections and services, are open to all students, faculty, staff, and alumni of the College.

THE FOXFIRE-PIEDMONT PARTNERSHIP FOR PROGRAMS FOR TEACHERS

In 2003, Foxfire sought a college whose School of Education had a conceptual framework and community outreach program that was clearly aligned with Foxfire's overall mission and Core Practices. The result was a formal, contractual agreement between Foxfire and Piedmont College, which transferred the management of Foxfire's Programs for teachers to Piedmont's School of Education.

These programs consist of Foxfire courses for teachers pre-k through college, offered at Piedmont, other institutions, and school districts.

PATENTS, COPYRIGHTS, TRADE SECRETS, AND INTELLECTUAL PROPERTY

The entirety of this policy relates to faculty, staff, and student employees. Section E relates specifically to students and student employees.

Individual faculty and staff, on occasion, generate new ideas and concepts that result in marketable products and opportunities. Piedmont College encourages, promotes, and protects the academic research, scholarship, and development of products of its employees. Simultaneously, the college maintains its commitment to stewardship and cultivation of its financial resources. Individual employees may pursue efforts to create commercially marketable products and, in cases where Piedmont College has invested resources, the college may assert a financial interest in such products.

Intellectual property refers to, but is not limited to, patentable inventions, copyrightable works, trademarks, service marks and trade secrets. Examples include but are not limited to artistic works, musical compositions, computer programs and software, theater scripts, and the like.

Products resulting from creative and scholarly pursuits, culminating in a patent, copyright, trade secret, or intellectual property convey ownership rights to the individual and/or the institution, depending on several factors.

1. **Sponsorship** – If an outside private (i.e., not state or federally funded) agency funds an activity that results in a product, unless the sponsorship agreement between the individual, the sponsor, and the institution states otherwise, such product will be owned by the institution.
2. **Institution work** – If a product is developed during the course and conduct of institution-assigned work, the institution owns the product. Income, defined as net revenue after all personal and institutional expenses have been paid, from such property shall be shared between the individual and the institution at the following rate: All income up to the first \$8,000 goes to the individual. This amount will be divided equally if more than one individual exists. Remaining income is divided with one-third to the individual and two-thirds to the institution.
3. **Institution-assisted work** – When institution resources assist and support individual employees in the generation of an income producing product, income shall be shared between the individual and the institution at a rate of 45 percent of net revenue to the institution. Institutional support and assistance may include use of office and laboratory space, technology, access to library, and support staff, and institution-paid time within the employment period.
4. **Individual employee work** – Any product developed by an individual employee that uses no institution resources, contains no sponsorship agreement, and is unrelated in any way to institution-assigned work, shall be the sole ownership of the individual employee. It is the individual's responsibility to demonstrate the total independence of the work.
5. **Intellectual property rights of students** - Intellectual property rights belong to the students who create the work. This includes work that has been created to meet course requirements using college resources whether or not the student has paid tuition or fees for the course. However, work that is created by students as part of their student employment belongs to the college as do the subsequent intellectual property rights.

6. **Disputes** – Any disputes about ownership of products shall be directed to the President.
7. **Copyright Infringement Policies and Sanctions** –
- a. **File Sharing and Copyright** – Many scholars and music artists rely on copyright to protect their intellectual property. "Peer-to-peer" (P2P) file sharing applications have made it easy for Internet users to share files with one another. There are many legitimate uses of P2P file sharing, such as updates and software purchases. However, P2P file sharing applications are also used to share copyrighted material such as songs, movies, software applications, and games without permission. If you upload or distribute copies you make of copyrighted works, or download or acquire unlicensed copies of copyrighted works, you may be infringing someone else's rights. Although using P2P file sharing technology is not in itself illegal, if you share copyrighted material without permission -- even unwittingly -- you are breaking both the law and college policy and could be subject to college, civil, and/or criminal sanctions.
 - b. **Summary of Civil and Criminal Penalties for Violation of Federal Copyright Laws** – The Department of Education publishes in the Federal Student Aid Handbook a summary of the civil and criminal penalties for violation of federal copyright laws:
 - i. Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under section 106 of the Copyright Act (Title 17 of the United States Code). These rights include the right to reproduce or distribute a copyrighted work. In the file-sharing context, downloading or uploading substantial parts of a copyrighted work without authority constitutes an infringement. Penalties for copyright infringement include civil and criminal penalties. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or "statutory" damages affixed at not less than \$750 and not more than \$30,000 per work infringed. For "willful" infringement, a court may award up to \$150,000 per work infringed. A court can, in its discretion, also assess costs and attorneys' fees. For details, see Title 17, United States Code, Sections 504 and 505. Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to \$250,000 per offense. For more information, please see the website of the U.S. Copyright Office at www.copyright.gov.
 - ii. Disciplinary action, including loss of use of the College information technology systems up to and including expulsion from the College or employee termination could result from violations of these policies. Piedmont College informs students regarding copyright infringement and academic integrity through each class instructor and is included on all syllabi. The college's statement can be found in the college 2017-2018 catalog.

REGULATIONS

Private Property Rights

Georgia law provides the owners of private property with the right to regulate the possession of firearms. Students, faculty, staff, and the general public are forbidden from having firearms, fireworks, explosives or explosive devices, or other weapons on college property. This includes the storage of such devices in automobiles parked on college property. Exception is made for licensed public safety officials in the employ of the college and for licensed public safety officers from other jurisdictions who are on college property in the discharge of their official duties.

Honor Pledge

All students, by their enrollment at Piedmont College, commit to the Honor Pledge:

The Piedmont College community emphasizes high ethical standards for its members. Accordingly, I promise to refrain from acts of academic dishonesty including plagiarism and to uphold the Academic Integrity Policy in all endeavors at Piedmont College.

Academic Integrity Policy

In accordance with the mission statement at Piedmont College, it is the responsibility of each member of the Piedmont community to promote an atmosphere of academic integrity and an understanding of intellectual honesty that adheres to the highest standards of professional and personal conduct.

To protect intellectual and scholarly integrity, the College imposes strict penalties for academic dishonesty, which is defined as follows.

- Cheating — intentionally using or attempting to use unauthorized materials, information or study aids in any academic exercise.
- Fabrication — intentional and unauthorized invention or falsification of any information or citation in an academic exercise or altering official college records or documents.

- Facilitating academic dishonesty — intentionally or knowingly helping or attempting to help another to commit an act of academic dishonesty.
- Plagiarism — intentionally or knowingly representing the words or ideas of another as one's own in any academic exercise.

Academic Integrity - Student Violations

All faculty must consistently follow the correct procedures in dealing with cases of academic integrity. Individual decisions or exceptions cannot be made.

1. The faculty member making the complaint will provide to the Dean of the School where the course resides a signed statement fully describing the act of dishonesty, naming persons involved and witnesses, and listing all physical evidence. All physical evidence is to be secured, if possible, by the Dean
2. The Dean will provide the student involved with written notification of the accusation of academic dishonesty, the identity of the faculty member making the complaint, and the procedures for resolving the case.
3. The Dean will review the case based on the evidence presented, taking into consideration any recommendations of the instructor responsible for the academic exercise in which the act of academic dishonesty is alleged to have occurred. The Dean will make the final judgment and will provide the student written notification of the disposition.
4. A student may ask for a reconsideration by the Dean if there are new facts or extenuating circumstances that were not brought to light in the initial review.
5. A student may appeal the decision of the Dean to the Office of the Vice President for Academic Affairs. Such an appeal would focus only on procedural due process issues.

A student who earns a grade of “D” or “F” as a result of a violation of the Academic Integrity Policy may repeat the course. However, a “D” or “F” resulting from a violation of Academic Integrity is not eligible for grade forgiveness. All course grades would count in computing the cumulative GPA.

Campus Email

Email is an official communications channel of Piedmont College and is a principal medium through which it conducts its business.

All students, faculty, and staff, including part-time faculty and staff have Piedmont College email accounts, either on the Exchange system or the Lions system.

All members of the Piedmont College community are expected to monitor their Piedmont College email regularly and to deal with business in a timely manner. Failure to activate and monitor one's Piedmont College email account does not exempt one from responsibility to act upon college-related matters.

All new students, faculty, and staff, including part-time faculty and staff, are expected to activate their Piedmont College email accounts, if necessary, and to begin monitoring their email during their first week of enrollment or employment.

Classification

Thirty semester hours is the normal amount of academic work completed in each of the freshman, sophomore, junior and senior years. A student must have completed 30 semester hours to be classified as a sophomore, 60 to be a junior, and 90 to be a senior.

Class Attendance and Absences

Compliance with federal financial aid regulations requires faculty to keep attendance records for the purpose of determining the last date of attendance. When a student is absent for two consecutive class meetings, the faculty member will contact his or her dean. The dean will investigate to determine the appropriate action needed.

Any student who has never attended a course in which he or she is enrolled will be automatically dropped from the course.

A school or department or faculty member may, with approval from the Vice President for Academic Affairs, choose to implement an attendance policy which is stated in the course syllabus.

Student absences for college-sanctioned events are excused absences (with the exception of clinicals). Since college-sanctioned events are considered to be supportive of the college program, instructors should allow students to make up work that has been missed. Students are responsible for notifying their instructors, in advance, about College-sanctioned events.

Credit Hour Policy (Credit Hour Definition)

As a postsecondary institution, Piedmont College is responsible for defining a credit hour and for ensuring that the credit hours awarded for courses and programs conform to commonly accepted practices in higher education. The College adheres to the federal definition of a credit hour as published by the United States Department of Education in the Federal Register (75FR66832) on October 29, 2010. The Department defines a credit hour as:

1. An amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:
 - a. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
 - b. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the awarding of credit hours. (34 CFR 600.2)

For the purposes of this definition, an instructional hour equates to 50 minutes, the unit of measure used by the National Center for Education Statistics Integrated Postsecondary Education Data System (IPEDS).

Course Length

The institutional established equivalences to the federal definition of the credit hour at Piedmont College are listed below.

1. Direct instruction courses must include one 50 minute period with the instructor, which is 750 minutes for each credit hour awarded.

Fifty (50) minutes x 15 weeks = 750 minutes

The standard expectation for direct instruction classes is that students will spend a minimum of two hours outside the classroom for each hour spent in class.

2. For laboratory classes, the hours per week are considered to be all in class with no outside assignments. Thus, one unit is three hours per week of laboratory time, which is 2,250 minutes for each credit hour awarded.

(50 minutes x 3) x 15 weeks = 2,250 minutes

Unless otherwise specified by professional accreditation standards, the formula for awarding credit hours for internships, practica, clinicals, and studio work is the same as the formula for laboratory classes.

3. Combined lecture/laboratory courses should be designed in accordance with the guidelines outlined above, even if there is no discrete break between the lecture and laboratory components for the course.

This credit hour policy applies to all courses at the undergraduate and graduate level that award academic credit (i.e., any course that appears on an official transcript issued by the College) regardless of the mode of delivery including, but not limited to, self-paced, online, and hybrid. Academic units are responsible for ensuring that credit hours are awarded only for work that meets the requirements outlined in this policy.

Courses that are offered on a schedule other than the full 15-week semester are prorated so they contain the same number of hours as if the course were scheduled for a full semester. To maintain the integrity of the instructional program, care must be taken when scheduling short courses so that there is adequate time for student to complete homework assignments or laboratory work, internships, practical, clinicals, and studio work.

Program Length

For the purposes of this policy, Piedmont College has established the following standards for program length:

Degree Type	Minimum Credit Hours
Baccalaureate	120 semester credit hours
Master's	30
Specialist	30

Study Load

The normal study load is five courses or 15 semester hours per semester (fall, spring) for students attending day classes and four courses or 12 semester hours for those taking accelerated evening classes. Students taking a minimum of 12 semester hours (fall, spring, and summer) are considered full time. Students who wish to take more than 18 semester hours must have a minimum cumulative grade-point average of 3.0 and must complete the Registration Overload Request form available from the Registrar's Office.

A student may take no more than 21 hours during any semester. Freshmen and Dual Enrollment students may not register for evening classes. Students may not enroll in more than nine hours during any eight-week session without written permission from the dean of the school in which the student has declared a major.

Summer classes are offered in an accelerated format. Those wishing to take more than 9 hours during an eight-week period must have approval by the dean of the school in which the student has declared a major. Thus the selection of courses and the total number of credit hours taken must be chosen judiciously by the student with the help of his or her advisor.

Use of Courses

By taking the required courses outlined in the College Catalog, students meet the requirements of a given major, minor, or general education. Often times, the same course(s) contribute(s) to the requirement(s) of a major and general education (or two different majors or a major and a minor). When this happens, the student may count this coursework towards both requirements and make up hours with elective credit. Through careful advising, these elective credits can contribute to the overall learning and career objectives of the student.

Online Courses

Online courses hold no face-to-face meetings during a course term, including no face-to-face orientation meetings. An online course is managed totally with online communications, learning management systems, and other distance-learning tools. The course requires interactive dialogue and all assignments are submitted electronically. Course exams, or quizzes, are administered via the online portal or through an arranged proctored exam based on individual course requirements.

Hybrid Courses

A Hybrid Course is a blend of face-to-face instruction with web-based instruction. In a hybrid course 50%-99% of the course learning is online and as a result, the amount of classroom seat-time is reduced. A course that meets face-to-face over 50% of the time but uses web-based learning as a support for the instruction are identified as web-enhanced courses.

1. Online course: 100% web-based
2. Hybrid/blended course: 50%-99% web-based
3. Web-enhanced course: 1%-49% web-based

Academic Requirements for Online and Hybrid Courses

Students taking online or hybrid classes should meet the following academic criteria:

1. Be in good academic standing prior to registering for online courses.
2. Be technologically competent and have access to appropriate hardware and software necessary to complete the course
3. Students who fail a course need approval from their advisor or dean to re-take the course in an online format.
4. All academic requirements for traditional courses, including course prerequisites, would apply to online courses as stated in the Piedmont College Catalog.

Credit by Examination or Experience

Students can establish proficiency in subject areas through several College-approved programs. Students may be awarded a maximum of 30 semester hours in any one or any combination of these sources. In the event a student has earned more than 30 hours by examination or experience, the student may appeal to the Vice President of Academic Affairs for review to determine if additional credit may be awarded.

Advanced Placement (AP)

Entering students who wish to receive advanced placement credit may do so by completing an advanced placement examination in high school and earning a minimum score as established by the College Board. Students should request that a copy of the score report be sent to the Registrar at Piedmont College.

A list of acceptable AP courses and minimum scores can be found at www.piedmont.edu/ap-credits.

Experiential Credit

Learning acquired outside of classroom participation can be a valuable contribution to a liberal arts education, and Piedmont provides an opportunity for enrolled students to receive academic credit for such learning.

The portfolio is the method used whereby students can demonstrate learning prior to and during their time at the College. Because portfolio assessment is competence based, students need to demonstrate mastery of transferable skills acquired through the professional work experience and/or community service. An experiential credit information packet may be obtained from the Registrar's Office. The charge for experiential credit is \$50 per credit hour. No experiential credit will be granted during a student's final semester.

International Baccalaureate Program (IB)

Piedmont College recognizes the quality of the International Baccalaureate Program, and credit towards the undergraduate degree will be awarded on a course-by-course basis. Course credit will be awarded for satisfactory scores earned on certain subjects as shown on the IB Course Equivalencies webpage at www.piedmont.edu/ib-tests. Students should request a copy of the official score report be sent to the Registrar at Piedmont College. IB credits do not fulfill residency requirements.

Military Credit

Veterans of the U.S. Armed Services and members of the military reserve may receive academic credit for military training based on recommendations of the American Council of Education (ACE). Please submit an official Joint Services Transcript (JST) to the Registrar at Piedmont College.

Directed Independent Study (DIS)

Directed independent study leads to the completion of a regular college course and receipt of academic credit. The DIS is completed by the student under the direction of the course instructor independently of scheduled class hours. While Piedmont recognizes that there is, at times, legitimate need for such study, its policy is to keep this practice to a minimum; thus, the following criteria are carefully observed:

1. Directed independent study is offered only for those courses that are listed in the current Piedmont College Catalog.
2. A directed independent study course is typically taught in the semester preceding graduation, entry into a professional program, or student teaching, and must be the last course needed to complete the requirements for the above. In the case of a special (non-degree) student, directed independent study is approved only for a course that will not be offered during the entire forthcoming academic year.
3. The request for permission must be based on a schedule conflict or difficulty arising from the academic schedule and not from the student's non-academic routine.
4. No student is permitted to undertake directed independent study until the Request for Directed Independent Study Form is approved. This form and all required documentation must be submitted to the Dean of the appropriate school before the beginning of the drop/ add period of the semester in which the directed independent study is to be undertaken. Failure to obtain the required signatures or to provide any of the documentation listed on the checklist on the back of the form may result in rejection of the request.
5. After approval by the Dean of the appropriate school, all materials will be forwarded to the Vice President for Academic Affairs for final approval. A letter approving or denying the DIS will be mailed to the student, advisor, Dean, and Registrar. If approved, the student will be registered for the DIS by the Registrar's office.
6. To receive academic credit, the student must meet all the requirements of the course as it is regularly taught.
7. Upon completion of the directed independent study, a portfolio containing the syllabus, all written assignments and evaluations is kept on file in the registrar's office.
8. No directed independent studies are conducted in the period between academic semesters.
9. A grade of 'I' (Incomplete) is not given except for medical reasons.

The Request for Directed Independent Study Form is available in the registrar's office.

Undergraduates Taking Graduate Classes

Students who have achieved senior standing at Piedmont College, i.e., who have completed a minimum of 90 semester hours, with a cumulative academic grade point average of 3.0 or better (or permission of dean), may register for graduate courses during the final two semesters of undergraduate work under the following conditions:

1. No more than a total of nine semester hours may be taken for graduate credit, and not more than six semester hours of graduate courses may be taken in a given semester.
2. Students registering for one or more graduate courses must obtain permission in advance from the course instructor, the academic advisor, and the academic dean of the school in which the course is taken.
3. Graduate courses available to undergraduate students are limited to those courses scheduled for the Demorest and Athens campuses.
4. Permission to take graduate courses is contingent upon the availability of classroom space and does not in any way imply admission to a graduate program at Piedmont College.
5. Graduate courses used to meet a requirement in an undergraduate program may not be used to fulfill required hours in a graduate program or vice versa. In order for course work to be credited at the graduate level, students must be accepted into a Piedmont College graduate program.

Note: Undergraduate students are prohibited from taking all M.B.A. foundation and/or core phase courses.

Auditing a Course

A student who wishes to audit a course must register for the course and pay the established tuition rate. Audited courses are subject to the same registration and drop/add policies as courses taken for credit. As such, credit courses may not be changed to audit status or vice versa once the initial drop/add period is over. Students who wish to receive credit for courses in which they were registered as auditors must repeat the course for credit.

Courses taken on an audit basis cannot be used for certification for financial aid, Social Security, Veterans Administration benefits, or athletic eligibility.

Declaration of Major and Minor

Majors and/or minors are listed and described along with the courses in each area. The following are definitions of some terms as they are used at Piedmont College.

Major: A major is a sequence of courses in an academic area or two or more related areas. The minimum number of credit hours required for each major is listed with that major. Each course in the major must be passed with a grade of "C" or higher.

Minor: A minor is a short sequence of courses taken in an academic area which complements a student's major and provides a second field of in-depth study. The minimum number of credit hours required for each minor is listed with that minor. Each course in a minor must be passed with a grade of "C" or higher.

Concentration: A concentration is a required part of some academic majors. Concentrations allow students to specialize within the major from one or more options. Each course in a concentration must be passed with a grade of "C" or higher.

A major and a minor or concentration as appropriate should be officially declared as early as possible, but no later than the beginning of the junior year. To do so, a student should obtain a copy of the Declaration of Major/Minor/Concentration Form from the Registrar and complete it in consultation with his or her academic advisor.

ACADEMIC FREEDOM

Piedmont College defines academic freedom as the belief that the freedom of inquiry by faculty and students is essential to the mission of the college and that both faculty and students must be able to examine ideas in an atmosphere of freedom and confidence without fear of censorship or discipline.

Piedmont College faculty members may discuss their subjects in the classroom with complete freedom of expression but should not introduce controversial matters unrelated to the subject. Nor should faculty teach their subjects in any way that is contrary to the mission of the College.

Piedmont College faculty members may pursue research and publish the results as long as these activities do not interfere with their teaching or other obligations to the College. However, research or publication for pecuniary return should be undertaken only after consultation with the dean of their respective school.

Piedmont College faculty members have complete freedom as citizens to speak in public without the threat of institutional censorship or discipline. However, as representatives of their academic disciplines and of Piedmont College, faculty members have an obligation to show tolerance and respect for the opinions of others and to be accurate as to the facts. If faculty members make statements contrary to the mission of Piedmont College, it must be stated clearly they are not speaking for the college.

Piedmont College safeguards and protects these rights of academic freedom by providing faculty and students the right to initiate grievance procedures should they have complaints dealing with the infringement of academic freedom.

GRADES

Grades are based on the following grading system. Piedmont College does not record or issue “+” or “-” grades.

A — Excellent	4 quality points per semester hour
B — Good	3 quality points per semester hour
C — Fair	2 quality points per semester hour
D — Poor, but passing	1 quality point per semester hour
F — Failure	0 quality points
P — Pass	0 quality points
W — Withdrawal	0 quality points
WF — Withdrawal Failing	0 quality points
AU — Audit — No Credit	0 quality points
I — Incomplete	0 quality points
IP — In Progress	0 quality points

Each instructor establishes the quantitative and/or qualitative basis and procedures by which he or she computes grades. Such information is published in each syllabus.

At the end of each semester, a complete report of academic achievement is available to the student on PilgrimNet/WebAdvisor.

Grade-Point Average

A grade-point average (GPA) is calculated as a ratio of the number of quality points earned to the number of credit hours attempted. The computation of the GPA is based only on courses taken at Piedmont College and does not include transfer grades. Three types of GPA are calculated: semester, cumulative, and honors. The semester GPA is based on the student’s record for a given semester. The cumulative GPA is based on the student’s record to date. For students who reentered the College under the Forgiveness Policy, courses taken at Piedmont College prior to reentry are not included in the computation of the cumulative GPA.

Incomplete

For reasons such as illness or other extenuating circumstances, a student may receive an Incomplete “I” upon the approval of the course instructor and the dean of the appropriate school. Assignment of an Incomplete grade is appropriate only when a substantial amount of work (at least one-half) in the course has been completed. A request for an incomplete grade is not appropriate until after the official date for withdrawal without academic penalty has passed. Application forms may be obtained from the Registrar’s Office. Failure to remove the “I” by the end of the next semester (if the student continues to be enrolled) at Piedmont College will result in an “F.” For students who do not return to Piedmont College, the “I” must be removed within one calendar year or the “I” will be changed to an “F.”

Grade Changes

Grades reported to the Registrar and recorded shall not be changed except under the following specified circumstances:

1. A written statement by the instructor that the grade recorded was a factual error;
2. Change of grade of “I,” as previously outlined;

3. Students who receive a grade of “F” or “D” in a course taken during their final semester shall have the option of taking a comprehensive exam for the course. A passing grade on the exam is a passing grade in the course; and
4. Recommendation by the dean of the school in which the student is enrolled and/or the Vice-President for Academic Affairs.

Grade Appeals

Students who wish to dispute a final grade and are prepared to present evidence to support a grade appeal must initiate the procedure by speaking first with the instructor who assigned the grade in question. If there are no errors in the computation of the grade or other substantial evidence to support an appeal, the student is encouraged to accept the grade assigned. However, in cases where there are substantial grounds for a review of the grade and a resolution cannot be reached between the student and the instructor, the student has the following recourse:

1. Within two weeks of the beginning of the term following the one for which the grade was posted, the student must submit to the appropriate department chair a letter of appeal with evidence supporting the need for an external review of the grade in question. A form, which describes the supporting material required, is available. The department chair will review the student’s material and consult with the instructor before deciding if the assigned grade should stand. The department chair must provide a written response to the student with a copy to the school dean.
2. If a student does not accept the decision of the department chair, there is one additional level of appeal. The student may submit documentation to the appropriate academic dean (in the school where the course was taught) who will determine if new information or insufficient consideration of the student’s case merits further review of the assigned grade. The dean’s decision to proceed or not to proceed will be final in all cases.
3. If the dean determines that further review is warranted, the dean will review the material and consult with the student and the instructor. The dean may exercise discretion to consult other faculty or students who can provide relevant information. The dean’s decision will be final.
4. The entire appeal process must be completed within four weeks of the date the grade was appealed.
5. When the dean or department chair is the teacher of record, the dean will substitute for the department chair and the vice president for academic affairs will substitute for the dean.

Academic Standing

Good Standing signifies that the student is eligible to return to the College and is on neither academic nor conduct probation. To be in good standing academically, a student must maintain a minimum cumulative GPA of 2.0.

Academic Warning is assigned to a student who has earned a term GPA of less than 2.0. A second consecutive semester with a term GPA of less than 2.0 will place the student on probation. A student who is placed on probation after being placed on an Academic Warning will be required to complete an Academic Success Plan prior to attending the following semester. Students who do not complete the criteria listed in the Academic Success Plan or who do not earn a term GPA of 2.3 or better in the subsequent semester may be subject to Academic Exclusion.

Academic Probation is assigned to a student who fails to maintain a cumulative 2.0 GPA. Students placed on Academic Probation will be required to complete an Academic Success Plan prior to attending the following semester and any semester they continue on probation.

Academic Exclusion denotes a failure to maintain a cumulative 2.0 GPA for two consecutive semesters. However, a student will remain on probation after the second semester if he or she either completes the criteria listed in the Academic Success Plan or completes 6 credit hours or more and earns a term GPA of 2.3 or better. A student who is academically excluded must sit out for at least one semester at which time he or she may appeal to the dean of the appropriate school for Conditional Readmission.

The Committee on Academic Standards reserves the right to exclude students prior to or at the end of the first year if, in the opinion of the committee, their progress is not satisfactory.

Conditional Standing is assigned a student who has been conditionally admitted to the College, or who, after being academically excluded or dismissed, is readmitted on a conditional basis by the dean of the appropriate school.

Academic Success Plans are completed with the student and the Academic Dean and/or the Dean of Student Engagement prior to the start of the semester. Academic Success Plans are personalized, comprehensive plans to support a student's success. Academic Success Plans include the use of campus resources and establish expectations of behavior in and outside the classroom. Academic Success Plans often include expectations about attendance, study habits, tutoring and overall academic performance.

Academic dismissal results in involuntary separation of the student from the College for an extended time period for academic reasons based upon the recommendation of the appropriate dean. Students may appeal the decision to the Vice President for Academic Affairs. A student so dismissed may petition for readmission after a reasonable period of time, usually a year. Specific schools may have different requirements. Students should consult the specific school for requirements. The second academic dismissal is permanent.

Readmission After Dismissal

Students who have been dismissed from the College for any reason may petition for re-admission after one year. A completed Application for Readmission (www.piedmont.edu/registrar) and a written letter requesting readmission must be submitted to the appropriate dean at least two weeks prior to the date of registration for the semester in which the student wishes to enroll. Requests received after the deadline will be considered for the following semester. A determination will be made to approve or deny readmission on a conditional basis and the student will be notified of the decision in writing.

Non-Academic Dismissal

Students who are found to be in violation of College regulations, in violation of local and/or state laws, or for circumstances deemed to be in the best interest of the College, may be removed from a residence hall and/or dismissed from the College. Students must complete an exit process which includes financial aid, student affairs, the library, and the business office. The appropriate forms must be signed and filed with the Registrar before refunds (if applicable) can be made or transcripts forwarded.

Students may appeal the decision of the Vice President for Academic Affairs to the President, if warranted. Grades of "W" or "WF" may be assigned. Grades of "W" after the last date to withdraw without academic penalty require the approval of the Vice President for Academic Affairs and will be approved only in cases of acceptable extenuating circumstances.

Administrative Withdrawal

Piedmont College expects students to take an active role in their academic success. Examples of active engagement in learning include attending every class meeting and diligently completing all learning activities (daily assignments, quizzes, papers, problem-sets, etc.).

The administrative withdrawal policy was created to assist students in establishing good academic engagement and attendance habits. Failure to routinely complete daily and major assignments or attend class places students in jeopardy of being administratively withdrawn from any or all courses at any time during a semester or term. Undergraduate students may be administratively withdrawn regardless of class level.

Administrative withdrawals may affect a student's financial aid awards, campus residential status, athletic eligibility and/or student visa status as the withdrawal from courses impacts enrolled credit hours.

The policy will be applied in a student-friendly manner holding students accountable for appropriate attitudes and actions demonstrating a seriousness of purpose about academic engagement and learning. The College administration has the authority to withdraw a student from a single course, multiple courses, or the College, and to revoke that student's registration at any time during a semester or term for failure to comply with academic requirements including, but not limited, to:

- being absent from any course for the first two days of the class in a term or semester without prior written approval. Written approval, generally via email, may be granted by individual faculty members or the academic dean for the school in which the student resides.
- demonstrating unsatisfactory academic and course engagement at any point in the semester/ term defined by one or more of the following as:

- having missed an excessive amount of scheduled class time as defined by individual faculty members' syllabi, excluding absences for college-related activities for which the student has communicated appropriately with each faculty member involved prior to the absence, arranged for the missed class time/assignments, etc. Students involved in college-related activities (i.e. athletics competitions, field-trips, etc.) are advised to carefully monitor the number of missed classes in a given semester.
- failing to maintain routine log-in and academic engagement activity during each week for online courses.
- violating learning or behavioral contracts if applicable

Students who do not fulfill their obligations through appropriate academic engagement risk being administratively withdrawn from any, or all, courses in which this failure to engage occurs. Withdrawals will not occur without sufficient warning and due notice to students. Students who are administratively withdrawn from a single course or all courses in a semester/term:

- are responsible for all debts and other charges related with the course(s)
- are not eligible for a tuition refund for the course(s)
- receive a "W" grade notation if the withdrawal occurs prior to the final date for withdrawal in a term/semester without academic penalty. The "W" grade does not affect a student's grade point average. Administrative withdrawals after the final date for withdrawal in a term/semester without academic penalty will be recorded as "WF." No other grades, such as NR, I or IP, may be assigned.
- may lose their eligibility for campus residential status and will not be eligible for a proration of housing or meal plan expenses. Athletic competition eligibility may also be impacted if the withdrawal drops them below full-time status.
- may experience changes in financial aid eligibility as a result of the withdrawal. Because financial aid eligibility is based on many factors, financial aid changes related to a withdrawal will vary. Students are responsible to know the effects poor choices related to their academic engagement may have on their financial aid eligibility and status.

If faculty members have reason to inquire about specific cases of administrative withdrawal, they may inquire with the registrar or academic dean for the school in which the student resides. In certain cases, the student's right to confidentiality may not permit full disclosure of the circumstances.

Because the College affords students the right to appeal academic decisions, it is essential that instructors maintain accurate and consistent records of academic engagement from students throughout the semester/term.

Extenuating circumstances such as family emergencies and serious illness must be documented and may be taken into account. Students participating in intercollegiate athletics and academic field trips are advised to complete all assignments in an appropriate manner for each class, monitoring any absences in addition to these events carefully.

Academic Honors (Undergraduate Only)

Various types of academic honors at Piedmont College are based on the student's GPA. The requirements for these honors and their designations are as follows.

Dean's List: Full-time status (minimum of 12 semester hours) with a semester GPA of 3.50-3.99.

Dean's Scholar: Full-time status (minimum of 12 semester hours) with a semester GPA of 4.0.

Honor Societies

Alpha Chi is a national academic honor society. Membership in the College's Epsilon Chapter, which was established in 1975, is open by invitation only to qualified members of the junior and senior classes who meet the specific demanding qualification criteria established by the national office. Among the standards for invitation is the student's standing within the uppermost 10 percent of either the junior or senior class.

Alpha Lambda Delta is the national honor society for first-year students. It is open to full-time students who have earned at least a 3.5 GPA during their first semester or first year at Piedmont.

Alpha Psi Omega is a national honorary theatre society for colleges and universities. The organization honors those who have contributed to the Piedmont College theatre program. Leadership opportunities are provided for students interested in theatre and in promoting the theatre program.

Alpha Sigma Lambda is a national honor society founded in 1945-46 to recognize adult students in continuing higher education who achieve academic excellence while managing responsibilities of family, work, and the community. Pi Rho, a chapter of this honor society,

was established on Piedmont's campus in the fall of 2000. Membership is by invitation to those who are at least 23 years of age, have completed 24 credit hours at Piedmont College, have a GPA of at least 3.2, and rank in the top 10 percent of their school.

Chi Alpha Sigma is a non-profit organization established to recognize college student athletes who earn a varsity letter in at least one sport while maintaining a 3.4 or higher cumulative GPA throughout their junior and senior years.

Delta Mu Delta is the international honor society in business for schools accredited by the Accreditation Council for Business Schools and Programs (ACBSP). Founded in 1913, the society's Lambda Iota chapter was chartered at Piedmont College in 2007. The society is open to junior and senior business majors who achieve minimum GPA of 3.25, rank in the top 20 percent of their class, and have completed the last 27 credit hours enrolled at Piedmont College.

Kappa Mu Epsilon, established in 1931, is an honor society dedicated to the promotion of professionalism among the nation's mathematics students. A chapter of this society was established on Piedmont's campus in the spring of 1999. It is open to individuals meeting the following criteria: minimum sophomore standing; top 35 percent of their class; and completed at least three mathematics courses (including calculus) with a "B" or better average.

Kappa Pi is a national honorary art society. The Piedmont chapter was organized in 2005 to promote greater interest in the knowledge and appreciation of art. Membership is based on artistic and academic excellence.

Phi Sigma Iota is an international foreign language honor society recognizing outstanding accomplishment in the study or teaching of any of the academic fields related to foreign language, literature, or culture. These fields include not only modern foreign languages, but also Classics, Linguistics, Philology, Comparative Literature, Bilingual Education, Second Language Acquisition and other interdisciplinary programs with a significant foreign language component. Phi Sigma Iota is the highest academic honor in the field of foreign languages.

Psi Chi is the international honor society in psychology. To be a member, a student must have completed at least 45 semester hours, have a declared major or minor in psychology, have completed at least nine semester hours in psychology, have both an overall GPA and psychology GPA of 3.5 or higher, and have high standards of personal behavior.

R.H. Daniel School of Nursing and Health Sciences Health Sciences Honor Society recognizes students for academic excellence, leadership, creativity, and service to the community. To be eligible, the student must have junior or senior standing, have >3.5GPA, and demonstrate leadership, critical thinking, and positive interpersonal relationships.

R.H. Daniel School of Nursing and Health Sciences Nursing Honor Society recognizes nursing students for their academic excellence, leadership, and creativity within the nursing profession. To be eligible for membership, the nursing student must be full-time, have completed at least 22 credit hours in the nursing major, have an overall GPA of at least 3.0, demonstrate leadership qualities and critical thinking skills, exhibit positive interpersonal relationships, and be nominated by the nursing faculty and clinical instructors. Membership is limited to no more than one third of each class.

Sigma Alpha Pi, the National Society of Leadership and Success, is dedicated to creating long-term positive change in students' lives. In addition to having the opportunity to hear some of the nation's leading presenters, authors, and success coaches, students who become members of the Society become a part of a community of like-minded, goal-oriented individuals. Members also avail themselves to scholarship opportunities and national awards once they become a member. There is a one-time membership charge and, once inducted, members are able to network with other members all across the USA and other countries. Sigma Alpha Pi membership is open to incoming freshmen with a 3.5 high school GPA and to current Piedmont College students who are maintaining a 3.0 GPA.

Sigma Tau Delta is the international English honor society. Requirements for membership are a minimum of two college courses in English language or literature beyond English 1101 and 1102, at least a "B" average in all English classes, placement in the top 35 percent of the class, and completion of at least three semesters of college course work.

Society for Collegiate Journalists is the oldest national honorary collegiate journalism organization. A chapter of this society was established on Piedmont's campus in the spring of 2003. To be considered for membership a student must have completed at least 60 semester hours, be a mass communications major or minor, completed at least 9 semester hours in mass communications, have an overall GPA of at least 3.3, demonstrate significant contribution to the department, and demonstrate professional behavior.

The Torch of Piedmont is an honor society for women students at Piedmont College. Eligible women must have completed at least four semesters as full-time students at Piedmont College and must have a minimum cumulative grade point average of 3.9. Transfer students who received an associate degree from a two-year college must complete at least two semesters at Piedmont College and must have a minimum grade point average of 3.9. Requirements for members include outstanding academic achievement, qualities of leadership, executive ability, and attendance at the induction/pinning ceremony.

Repeating Courses

A student who earns a grade below a "C" in a Piedmont College class may repeat that class as many times as necessary to meet graduation/degree requirements; however, only one grade forgiveness per course will be allowed. All courses taken shall remain on the

transcript and repeated courses will only count once toward total hours earned for graduation. Grades and credit earned from repeat coursework at other institutions cannot be used in calculating the grade-point average at Piedmont College.

A student who earns a grade lower than a “C” as a result of a violation of the Academic Integrity Policy may repeat the course; however, the grade resulting from the violation is not eligible for grade forgiveness. All course grades would count in computing the cumulative GPA.

Transient Permission

Piedmont College students who wish to take courses at other institutions may do so only with the written permission of the Registrar. To request permission for transient status, students must be currently enrolled Piedmont College students in good standing and should obtain a letter of Transient Permission from the Registrar’s Office. Classes with a grade below “C” will not be accepted for credit. Students are reminded of the graduation requirement that all senior work (the last 30 hours) must be course work completed at Piedmont College. All requirements listed on Page 2 of the Letter of Transient Permission form must be met. Transient permission will not be granted for more than two consecutive semesters.

Withdrawal from Classes

Within the first several days of a term, students may add and drop courses with the permission of their advisor. The date ranges for drop/add vary depending on the semester (Fall, Spring, or Summer) and duration of the class (8-week or 16-week). Students should check the academic calendar for specific information.

After the initial drop/add period, a student may withdraw from a class by completing a drop/ add form, which must be signed by the advisor and the professor and must include the last date of attendance.

Students who withdraw from a course on or prior to the date noted in the College’s official calendar as the “last day to withdraw without receiving academic penalty” shall receive a “W” for the course and the hours will not be counted in the calculation of GPA. Students have to pay for the course and the hours do count against HOPE eligibility. Classes dropped after this date will result in a grade of “W” or “WF” based on the grade at time of withdrawal, and the hours will be counted in the calculation of GPA if a grade of “WF” is earned. Students who stop attending but do not submit appropriate forms to withdraw will receive an “F.”

Voluntary Withdrawal from College

Students who voluntarily withdraw from the College must complete an exit process which includes financial aid, student affairs, the library, and the business office. The appropriate forms must be signed and filed with the Registrar before refunds (if applicable) can be made or transcripts forwarded.

Students who withdraw from all courses at Piedmont College after the last day to drop a course without academic penalty shall receive a “W” or “WF” in each course, based on the grade at time of withdrawal.

Medical Withdrawal

Under extenuating circumstances, the Vice President for Academic Affairs may approve a withdrawal for medical reasons. Please note that medical withdrawals may still be subject to the Title IV Federal Policies, under the Tuition and Expenses section. The student will be responsible for tuition and/or charges that may apply.

GRADUATION

Piedmont College holds three graduation ceremonies each academic year. A baccalaureate service is held preceding graduation in May each year and is for undergraduate students only. Each year’s class consists of students graduating in December, May and July. Example: The Class of 2017 includes graduates from December 2016, May 2017 and July 2017.

Please check the Academic Calendars posted on the web at www.piedmont.edu/registrar for ceremony dates and times and also for application deadlines for each semester’s graduation. Mailings will be sent each semester with graduation details and participation forms that must be returned in order to participate in the ceremony or to have diplomas mailed after the ceremony.

Graduation and Residency Requirements

At least 25 percent of the credit hours required for a degree must be earned through instruction offered by Piedmont College.

In order to graduate with the degree of Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Science, or Bachelor of Science in Nursing, the candidate must:

- Complete a minimum of 120 credit hours;

- Fulfill the minimum requirements for a major. Half the required courses for the major (and for a minor if one is chosen) must be completed at Piedmont College;
- Complete all senior work (the last 30 hours before graduation) at Piedmont College;
- Meet all of the College's general education requirements. Please see the Undergraduate Studies section;
- Beginning with freshmen who matriculate in Fall 2013, candidates will also be required to complete 45 hours of experiential learning endeavors in accordance with the Piedmont College Compass program. Transfer students are also required to complete a prorated number of Compass hours. Please see the Piedmont College Compass Program (p. 47) portion of the catalog.
- Have a cumulative GPA of at least 2.0 or higher (specific majors may require a higher GPA);
- Have a satisfactory conduct record;
- Apply for graduation upon reaching 90 credit hours;
- Be current on all college accounts.

Students who applied for graduation one year ago or more and did not graduate, must reapply for graduation, if they decide to graduate at another time.

It is the responsibility of all graduating students to apply for graduation by posted deadlines (see Academic Calendars at www.piedmont.edu/registrar on the Registrar's page). Application forms may be obtained from the Registrar's Office or on the Registrar's page on PilgrimNet. Applications for graduation must be received by the Registrar's Office upon reaching 90 credit hours.

Graduation with Honors

A degree with honors is awarded to undergraduate students who earn at least 48 semester hours at Piedmont College with an overall GPA of 3.50-3.69 (cum laude), 3.70 – 3.89 (magna cum laude), 3.90-4.00 (summa cum laude). The overall GPA for a degree with honors includes all attempts a student has made to complete all courses, including transfer courses and repeated courses.

Graduation Charges

An application fee is due at the time of application for graduation.* The fees are \$100 for undergraduates, \$125 for master's and education specialist, and \$150 for doctoral candidates. It is the student's responsibility to be familiar with application deadlines which are posted on the academic calendars. All college accounts must be paid in full before the degree is conferred.

*Under extenuating circumstances, an application submitted after the published deadline requires approval from the Dean of the appropriate schools and an additional late fee of \$100.

Transcripts

A transcript is a record of all courses taken and grades received at the College, as well as those transferred into the College. As such it includes all initial and repeat courses and all courses that fall under the Forgiveness Policy.

Official Transcript Requests

Piedmont College provides printed or electronic transcripts using the secure Parchment website. It is secure and available 24/7. The Registrar's Office can provide official printed (hard copy) transcripts for a fee.

To make a transcript request through Parchment, sign up at the Parchment website (www.parchment.com). Choose the destinations where you want to send your transcripts. Sign off by paying online—there is an \$8.25 (paper copy)/\$6.25 (electronic transcript) fee per transcript.

Transcripts cannot be furnished for any student whose financial obligations to Piedmont College have not been met. If your transcript is denied due to financial obligations, it is your responsibility to submit a new request form when your account is settled in the Business Office.

Unofficial Transcript Requests

There is no charge for providing unofficial transcripts. They may be emailed as PDF files, faxed, or mailed. Students requesting unofficial transcripts should use the form available on the Registrar's web page (www.piedmont.edu/registrar). This form requires the student's signature and must be mailed or faxed to the Registrar's Office.

Posthumous Degrees

In the event of a student's death during his or her final term of study, a member of the student's family will be invited to accept the diploma during commencement exercises. In order to receive a posthumous degree, the student must have completed a minimum of 90 semester hours.

Patents, Copyrights, Trade Secrets, and Intellectual Property

The entirety of this policy relates to faculty, staff, and student employees. Section E relates specifically to students and student employees.

Individual faculty and staff, on occasion, generate new ideas and concepts that result in marketable products and opportunities. Piedmont College encourages, promotes, and protects the academic research, scholarship, and development of products of its employees. Simultaneously, the college maintains its commitment to stewardship and cultivation of its financial resources. Individual employees may pursue efforts to create commercially marketable products and, in cases where Piedmont College has invested resources, the college may assert a financial interest in such products.

Intellectual property refers to, but is not limited to, patentable inventions, copyrightable works, trademarks, service marks and trade secrets. Examples include but are not limited to artistic works, musical compositions, computer programs and software, theater scripts, and the like.

Products resulting from creative and scholarly pursuits, culminating in a patent, copyright, trade secret, or intellectual property convey ownership rights to the individual and/or the institution, depending on several factors.

1. **Sponsorship** - If an outside private (i.e., not state or federally funded) agency funds an activity that results in a product, unless the sponsorship agreement between the individual, the sponsor, and the institution states otherwise, such product will be owned by the institution.
2. **Institution work** – If a product is developed during the course and conduct of institution-assigned work, the institution owns the product. Income, defined as net revenue after all personal and institutional expenses have been paid, from such property shall be shared between the individual and the institution at the following rate: All income up to the first \$8,000 goes to the individual. This amount will be divided equally if more than one individual exists. Remaining income is divided with one-third to the individual and two-thirds to the institution.
3. **Institution-assisted work** – When institution resources assist and support individual employees in the generation of an income producing product, income shall be shared between the individual and the institution at a rate of 45 percent of net revenue to the institution. Institutional support and assistance may include use of office and laboratory space, technology, access to library, and support staff, and institution-paid time within the employment period.
4. **Individual employee work** – Any product developed by an individual employee that uses no institution resources, contains no sponsorship agreement, and is unrelated in any way to institution-assigned work, shall be the sole ownership of the individual employee. It is the individual's responsibility to demonstrate the total independence of the work.
5. **Intellectual property rights of students** - Intellectual property rights belong to the students who create the work. This includes work that has been created to meet course requirements using college resources whether or not the student has paid tuition or fees for the course. However, work that is created by students as part of their student employment belongs to the college as do the subsequent intellectual property rights.
6. **Disputes** – Any disputes about ownership of products shall be directed to the President.
7. **Copyright Infringement Policies and Sanctions** –
 - a. **File Sharing and Copyright** - Many scholars and music artists rely on copyright to protect their intellectual property. "Peer-to-peer" (P2P) file sharing applications have made it easy for Internet users to share files with one another. There are many legitimate uses of P2P file sharing, such as updates and software purchases. However, P2P file sharing applications are also used to share copyrighted material such as songs, movies, software applications, and games without permission. If you upload or distribute copies you make of copyrighted works, or download or acquire unlicensed copies of copyrighted works, you may be infringing someone else's rights. Although using P2P file sharing technology is not in itself illegal, if you share copyrighted material without permission -- even unwittingly -- you are breaking both the law and college policy and could be subject to college, civil, and/or criminal sanctions.
 - b. **Summary of Civil and Criminal Penalties for Violation of Federal Copyright Laws**- The Department of Education publishes in the Federal Student Aid Handbook a summary of the civil and criminal penalties for violation of federal copyright laws:

- i. Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under section 106 of the Copyright Act (Title 17 of the United States Code). These rights include the right to reproduce or distribute a copyrighted work. In the file-sharing context, downloading or uploading substantial parts of a copyrighted work without authority constitutes an infringement. Penalties for copyright infringement include civil and criminal penalties. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or "statutory" damages affixed at not less than \$750 and not more than \$30,000 per work infringed. For "willful" infringement, a court may award up to \$150,000 per work infringed. A court can, in its discretion, also assess costs and attorneys' fees. For details, see Title 17, United States Code, Sections 504 and 505. Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to \$250,000 per offense. For more information, please see the website of the U.S. Copyright Office at www.copyright.gov.
- ii. Disciplinary action, including loss of use of the College information technology systems up to and including expulsion from the College or employee termination could result from violations of these policies. Piedmont College informs students regarding copyright infringement and academic integrity through each class instructor and is included on all syllabi. The college's statement can be found in the college 2016-2017 catalog.

STUDENT ACADEMIC RECORDS

(The Family Educational Rights and Privacy Act - FERPA)

SECTION A: Student Academic Records

The Registrar has a master roster of all students which lists high school grades, SAT scores, etc. Faculty members may examine student records on request to the Office of the Registrar.

After appropriate training and with the approval of the Vice President for Academic Affairs, faculty members may access student records via computer on the campus network.

SECTION B: Confidentiality of Student Records

Piedmont College complies with all requirements of the Family Educational Rights and Privacy Act of 1974 and all amendments thereto. Complete information is available in the Office of the Registrar and on the web at www.piedmont.edu/registrar.

The law defines student education records to include “records, files, documents, and other materials which contain information directly related to a student and are maintained by a university or by a person acting for a university.” Within 45 days of receiving a request, universities must allow students to inspect those education records. Excluded from the definition of student education records are records made about students by teachers and administrators for their own use and not shown to others.

Confidential letters of recommendation or evaluations which were in the records prior to January 1, 1975, need not be made available to students. For letters after that date, the law allows students to waive rights of access if the letters have to do with admission, employment, or honors, if the letters are used only those purposes, and if students are told, on their request, the names of all letter writers. No student or applicant may be required to execute a waiver.

Students have the right to challenge the contents of their educational records and to secure correction of inaccurate or misleading information. Students may insert into their records a written explanation respecting the content of such records. Students may challenge a grade in their records only on the ground that it was inaccurately recorded, not that it was different than the instructor ought to have recorded.

Teachers, administrators, and similar professional personnel (in the same institution) may look at the record if they have a “legitimate educational interest.”

The university may transfer information to other educational institutions in which the student intends or seeks to enroll or is already enrolled so long as the disclosure is for purposes related to the student’s enrollment or transfer, and/or is in connection with a student’s application for, or receipt of, financial aid, and to public officials enumerated as follows:

1. State and local officials to whom state law in effect on November 19, 1974, required information to be reported.
2. Organizations like ETS and CEEB in connection with developing, validating, or administering predictive tests, administering student aid programs, and improving instruction.
3. Accrediting organizations in order to carry out their accrediting functions.
4. Parents of a student who is a dependent for income tax purposes.
5. Appropriate persons in the case of health and safety emergencies.

Directory information may be released without the consent of a student unless the student specifically asks that prior consent be obtained. Requests for non-disclosure will be honored for only one academic year; therefore, authorization to withhold directory information must be filed annually in the office of the Registrar. Directory information includes a student’s name, telephone listing, email address, date and place of birth, major field of study, participation in officially recognized activities and sports, weights and heights of members of athletic teams, dates of attendance, degrees and awards received, the most recent previous educational institution attended by the student; and a university must publish a list of what it designates as directory information and give each student a reasonable period of time to ask that any and all such information not be released without prior consent.

Other than in the exceptions listed, or in the case of directory information, or in responding to judicial process, employees of a university may not release personally identifiable information in education records or allow anyone access to those records, unless the student has given written consent specifying records to be released, the reasons for such release, and to whom, and a copy of the released records is furnished to the student.

Educational agencies and institutions are permitted to disclose personally identifiable information from students’ education records, without consent, in connection with a health or safety emergency. Under the health and safety emergency exception, universities will be

able to contact anyone, including parents, potential victims, a student's previous schools, and law enforcement authorities if that would help diffuse or assess the danger of imminent harm to the student or others. The college will be required to record the articulable and significant threat that formed the basis for the nonconsensual disclosure; they must also record the parties to whom information was disclosed. This document becomes part of the education record and will be subject to FERPA's inspection, review, amendment, and nondisclosure requirements. No information concerning a student's education record may be disclosed over the telephone to anyone, even to the student.

PHOTO/VIDEO RELEASE AGREEMENT

Piedmont College uses photographic, video, and digital images taken of students on College property and at College events, as well as quotes provided by students, in publications, advertisements, promotional materials and audiovisual productions associated with marketing and student recruiting.

Currently enrolled students may request not to be photographed or videotaped by sending written notification to the Registrar by October 1 of the fall semester and February 15 of the spring semester.

Failure to request in writing not to be photographed or videotaped demonstrates approval for the College to use images in its marketing and student recruitment materials.

ADMINISTRATIVE STRUCTURE

Dr. James F. Mellichamp, President
 Dr. Perry Rettig, Vice President for Academic Affairs
 Amy Amason Vice President for Institutional Advancement
 Kenneth Jones, Vice President for Institutional Resources
 Dr. Shahryar Heydari, Associate Vice President for Information Technology

School of Arts and Sciences

Dr. Steven D. Nimmo, Dean
 Dr. Steve Jacobs, Associate Dean
 Dr. Wallace Hinson, Associate Dean of Fine Arts and Department of Music Chair
 Department of Art: Christopher Kelly, Chair
 Department of Humanities: Dr. Hugh Davis, Chair
 Department of Interdisciplinary Studies: Dr. Steve Jacobs, Chair
 Department of Mass Communication: Dr. Dale Van Cantfort, Chair
 Department of Mathematics and Physics: Dr. Michael Berglund, Chair
 Department of Natural Sciences: Dr. Elaine Bailey, Chair
 Department of Social Sciences: Dr. Tony Frye, Chair
 Department of Theatre: William Gabelhausen, Chair

Harry W. Walker School of Business

Dr. Edward C. Taylor, Dean
 Dr. Kerry Waller, Associate Dean and Director of Demorest Operations
 Margaret Ryder, Director of Athens Operations

School of Education

Dr. Donald Gnecco, Dean
 Dr. Julie Palmour, Associate Dean (Demorest)
 Dr. Clay Crowder, Associate Dean (Athens)
 Department of Art: Christopher Kelly, Chair
 Department of Early Childhood Education: Dr. Barbara Benson, Chair
 Department of Exceptional Child Education: Dr. Candice Southall, Chair
 Department of Middle Grades Education: Dr. Katrina Short, Chair
 Department of Music: Dr. Wallace Hinson, Chair
 Department of Secondary Education: Dr. Jennifer Betz, Chair
 Department of Theatre: William Gabelhausen, Chair
 Division of Teacher Education: Dr. Susan Turpin, Director
 Division of Advanced Studies: Dr. Clay Crowder, Director
 Division of Off-Campus Graduate Studies: Prof. Charles T. Goss, Director
 Doctoral Studies: Dr. Charles Lucado, Director

R.H. Daniel School of Nursing and Health Sciences

Dr. Julia Behr, Dean
 Dr. Abbey Dondanville, Associate Dean
 Dr. Maria Fisk, Associate Dean

UNDERGRADUATE STUDIES

At the undergraduate level, Piedmont College offers course work leading to a Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Science, and Bachelor of Science in Nursing degrees. In seeking a degree, students have the opportunity to engage in one or more areas of study as provided by the major, minor and concentration offerings of the College.

A major is an in-depth study of an academic area or areas that are deemed related. A concentration is a specific area of study within a major, or a continuation of study beyond the major in the same or a related area or field. A minor is a collection of courses outside the major that allows the student the opportunity to explore another academic area or field.

BACHELOR OF ARTS

- Majors offered in Athens and Demorest: criminal justice, early childhood education, educational studies, leadership studies, middle grades education, psychology, and sociology and anthropology.
- Majors offered in Demorest only: art, art education, art therapy, biology education, English (with concentrations in literary studies and creative writing), English education, history, history education, interdisciplinary studies, international studies, mass communications, music (with concentrations in church music and music performance), music education, musical theatre, philosophy and religion, political science, Spanish, Spanish education, sports communications, theatre arts, design and technical theatre, theatre for youth, and drama education.

BACHELOR OF FINE ARTS

Majors offered in Demorest only: fine arts (with concentrations in 2-D studio art, 3-D studio art, and graphic design), and arts administration.

BACHELOR OF SCIENCE

- Majors offered in Athens and Demorest: business administration (with concentrations in accounting, data science [Demorest only], finance, general business, marketing, and management).
- Majors offered in Demorest only: applied health science; applied mathematics; applied physics; biology (with concentrations in cell and molecular biology and ecology and evolutionary biology); cardiovascular technology; chemistry; chemistry education; engineering physics; engineering science, environmental science; exercise and sports science; forensic science; health care administration; interdisciplinary studies; mathematics (with concentrations in pure math and applied math); mathematics education; and sport and fitness administration.

BACHELOR OF SCIENCE IN NURSING

Students must complete general education courses required of the nursing major before acceptance into nursing courses.

CERTIFICATES

Certificate programs offered in Demorest: Cardiovascular Technology.

DEGREE COMPLETION PROGRAM

To enter the Degree Completion Program, Piedmont College must accept a minimum of 60 semester units of college level transfer credit from a regionally accredited college or university or nationally recognized examination credit (CLEP or similar). Students with fewer than 60 semester hours may appeal to the Dean for the School of Arts and Sciences to enter the Degree Completion Program.

EVENING STUDIES

Piedmont College offers several degree programs in an evening format. Business administration, and education (Early Childhood Education and Middle Grades only) are offered on both campuses (Demorest and Athens). Each degree program is offered in an accelerated, flexible format to meet the needs of working professionals. Classes generally meet for four hours once per week for eight weeks. Education classes generally meet for two hours per week for sixteen weeks. This schedule allows students to qualify for full-time status by taking four classes in two eight-week sessions or one 16 week semester. Students who choose to attend full time are eligible for full financial aid benefits.

MINORS

Minors are offered in anthropology; art; biology; business; chemistry; creative writing; criminal justice; English; environmental geology; film studies; German; graphic design; environmental science; French; health science; history; mass communications; mathematics; music; philosophy; physical science; physics; political science; psychology; religion; social justice; sociology; Spanish; teaching; theatre arts, women's studies.

COMPASS PROGRAM

The Compass Program is Piedmont College's experiential learning component. Experiential learning takes place outside of the classroom. It promotes interdisciplinary learning, civic engagement, career development, cultural awareness, leadership and other professional and intellectual skills. It allows students to take initiative, make decisions, and be accountable for the results.

The mission of the Compass Program is to expand students' learning opportunities outside the classroom by interacting with the community, exploring options, and learning skills to navigate and participate in life after college.

Over the course of their college career, students design and manage projects involving 45 hours or more of service-learning, social ethics, creativity and innovation, cultural awareness, vocation or leadership experiences to explore new opportunities or to apply concepts, skills and ideas learned in the classroom. Opportunities are limited only by the students' imagination, but typically include job shadowing, co-curricular internship opportunities, assuming a leadership role in a volunteer event, individual research projects, mission work, travel abroad and on-campus leadership opportunities such as Student Government Association and TEAM Piedmont. Based on the scope of the project, students earn either 15 or 30 hours of Compass credit.

Projects are structured to address the six core competencies identified by employers:

- Critical Thinking/Problem Solving
- Oral/Written Communications
- Leadership
- Teamwork/Collaboration
- Information Technology Application
- Professionalism/Work Ethic Participation in the Compass Program is a graduation requirement. Students enrolled at Piedmont for all four of the undergraduate years (96-120 credit hours) are required to earn 45 hours of Compass credit. Transfer students who are required to take Piedmont 1101 (transferring with fewer than 24 credit hours) are also required to earn 45 hours of Compass credit. Transfer students who are not required to take Piedmont 1101 (transferring with more than 24 credit hours) are required to earn 30 hours of Compass credit. Degree completion students enrolling with more than 60 credit hours are required to earn 30 hours of Compass credit. Students who complete the requirements for a Bachelor of Science in Engineering Physics (dual degree program with Georgia Tech) or Bachelor of Science in Engineering Science (dual degree program with Kennesaw State University) are required to earn 30 hours of Compass credit.

Questions may be emailed to compass@piedmont.edu.

NEIGHBORHOOD GRANT PROGRAM

For those 25 years of age and older who have been out of school and think that a college diploma is out of reach, Piedmont College has a financial aid program that could put them back on the path to earning a bachelor's degree through the Neighborhood Grant Program.

For qualified students, the Neighborhood Grant Program will cover 50 percent of tuition during the fall and spring semesters and a prorated amount during the summer semester. To qualify, applicants must live in one of the counties surrounding Piedmont College's Demorest campus. Applicants must be at least 25 years old by the start of the term and seeking their first bachelor's degree as commuting students attending Piedmont's main campus in Demorest.

Since most students are also eligible for financial aid from state and federal programs, many who qualify for the Neighborhood Grant Program can enroll while incurring little to no student loans. The number of students receiving grants is based on available funds, so interested students should apply as soon as possible.

All admissions requirements apply.

TRAVEL STUDY

Consistent with its goal to attract top students, Piedmont College promotes travel opportunities for academic credit. Recent programs have included trips to international destinations including England, Germany, Ireland, Russia, Peru, Ecuador, Italy, Japan, and the Czech Republic, as well as domestic trips to Alaska, Arizona, New York, the Pacific Northwest, and California. Students may also study abroad for a semester at the University of Nottingham, England, or the University of Paderborn, Germany, with the approval of the Semester Abroad Committee.

Piedmont College encourages domestic and foreign study opportunities for its students. In order to ensure consistency among travel-study programs, all programs must be pre-approved, not later than 60 days prior to the scheduled travel, by the Vice-President for Academic Affairs in coordination with the Assistant Vice-President for Finance and Human Resources and the President. A detailed proposal is required for each travel-study program and shall include the following:

Nature and purpose of the travel-study program; objectives; academic requirements; itemized budget showing anticipated revenues and expenses; daily schedule of activities related to the program, both on-campus and off-campus; specified transportation arrangements utilizing approved vendors; specified accommodations for hotels or otherwise (written agreements or other written documentation must be provided); and meal arrangements.

All students who participate in any travel-study program must complete an Information Form to include: passports and visa numbers, including expiration dates, where necessary; documentation of medical insurance covering the participant; indication of any student health problem or other necessary medical information; names(s) and contact(s) in the event of an emergency; and an institutional student waiver form. All documentation and forms must be submitted to the dean of the respective school not later than 30 days prior to the scheduled travel.

SEMESTER ABROAD PROGRAMS

All full-time Piedmont College undergraduate students in good academic standing are eligible to participate in semester abroad programs. Other criteria include minimum age of 18 at time of travel, minimum 3.25 GPA, and successful completion of 45 – 75 credit hours prior to semester abroad. Students must also complete an institutional nominating packet before applying to the study abroad destination. The nominating packet is available from the Associate Dean of Arts and Sciences, who serves as the college's travel study coordinator.

Piedmont College currently participates in two Study Abroad Agreements: one with the University of Nottingham, UK (Nottingham); and one with Universitat Paderborn, Federal Republic of Germany (Paderborn). These agreements are renewable by the written consent of both parties. The initial term for the Paderborn agreement is three years and the initial term for the Nottingham agreement is five years.

Tuition is paid to Piedmont College at the Demorest undergraduate rate tuition, room and board, including the "19 meals" plan. Payment is due before students travel abroad. Students must have financial aid in order by the end of the semester preceding travel.

Students register for a "placeholder" course at Piedmont College: IDS 400 for 12 hours. Students are considered full-time students at Piedmont College for purposes of enrollment verification. When official transcripts are received, course descriptions are reviewed by the Registrar with input from Department Chairs and/or Dean of the appropriate school to ensure the course work and learning outcomes are at the collegiate level and comparable to the institution's degree programs. Piedmont courses are then created with the correct prefix for either Nottingham (NOTT) or Paderborn (PADB). 20 Nottingham module hours = 4 credit hours at Piedmont College; 10 Nottingham module hours = 3 credit hours at Piedmont College.

Students must be registered for at least 50 Nottingham module hours to stay in the country and these hours must be equivalent to a minimum of 12 Piedmont College credit hours. Level 1 and 2 courses are General Education courses or electives; Level 2 or 3 courses equal major courses for second semester juniors or seniors. Level 3 courses are comparable to Piedmont College 400 level courses.

The Nottingham grading scale translates to Piedmont College grades as follows:

70 and above=A;

60-69=B;

40-59=C;

Below 40=F (No credit hours).

All courses taken at these institutions will be posted on Piedmont College transcripts and included in overall GPA. Also, note that Piedmont College scholarships may be affected for future semesters at Piedmont College if grade status drops below the required minimum overall GPA for any scholarships previously awarded to student.

PRE-PROFESSIONAL STUDIES

Students who wish to enter the professions of dentistry, law, medicine, pharmacy, theology or veterinary medicine may satisfy course requirements for entrance to the professional schools while at Piedmont College. A student planning on entering any of these professions should consult the Registrar early in the freshman year in order to be assigned to a freshman advisor qualified to direct such pre-professional study. Information on such pre-professional studies may be found in individual department program descriptions within this catalog. (See BIOLOGY (p. 62) for the health professions, POLITICAL SCIENCE (p. 115) or ENGLISH (p. 70) for law and RELIGION (p. 107) for theology.)

GENERAL EDUCATION AND DEGREE REQUIREMENTS

Each student seeking a baccalaureate degree must complete the appropriate general education requirements, the requirements of a major, and a minimum of 120 credit hours. All students entering the College with fewer than 24 hours of college credit must complete the Introduction to College Life and Liberal Arts Tradition (PDMT 1101) as a part of the 120 credit hours. A student may choose to complete a minor as part of the 120 required hours. Each course in a student's declared major, minor or concentration must be passed with a grade of "C" or higher.

Students entering Piedmont with substantial language ability (at least of two years of the same foreign language in high school with at least a "B" average) and/or established placement from another institution may complete only the 1102-level course to fulfill the foreign language general education requirement. Additionally, if a student successfully completes a 2000-level or higher course in a foreign language, the foreign language requirement is considered satisfied.

All students must maintain an electronic assessment file of work completed in general education courses at Piedmont College.

A. GENERAL EDUCATION REQUIREMENTS FOR BACHELOR OF ARTS, BACHELOR OF FINE ARTS, BACHELOR OF SCIENCE, AND BACHELOR OF SCIENCE IN NURSING

Total hours listed in each section below are minimums.

I. An individual who engages great questions and who seeks solutions informed by reasoning (10 hours)

Who engages the great questions of humanistic study – rhetoric

ENGL 1101	Rhetoric and Composition	3
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(minimum grade of "C" required)

Who can process ideas through reasoning, evaluating old ideas and developing new ones

Mathematical Reasoning

One course from

MATH 1113	Precalculus	3
MATH 2050	Mathematics for the Liberal Arts	3
MATH 2100	Elementary Statistics	3
MATH 2450	Calculus I	4

MATH 2450 w/lab

(minimum grade of "C" required)

Critical Thinking

Students in business and education are exempt from these courses since their major delivers and assesses this outcome (critical thinking).

One course from

EDUC 3307	Learning and Cognition	3
PHIL 1101	Introduction to World Philosophy	3
PHIL 1102	Critical Thinking	3
PHIL 2210	Symbolic Logic	3
PSYC 2240	Psychology of Childhood and Early Adolescence	3
PSYC 2290	Human Growth and Development	3
SOCI 2210	Social and Cultural Problems	3

Who understands the scientific method as a mode of modern inquiry – scientific method

One lab course from

BLAB 1101	General Biology Lab I	1
CLAB 1101	General Chemistry Lab I	1
GLAB 1101	Physical Geology Lab	1
PHYS 1011	Physical Science I	4
PHYS 2110	General Physics I	4

PHYS 2110 w/lab

II. A member of a cultural group and who recognizes his/her own social/cultural/ historical heritage (15 hours)

Who can effectively communicate with other members – English communication

Freshman composition

ENGL 1102	Literature and Composition	3
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(minimum grade of “C” required)

Speaking

BUSA 2000	Business Communication	3
	OR	
MCOM 1110	Public Speaking	3

Who understands behavior and interaction

One course from

BUSA 1210	Principles of Economics	3
PSYC 1101	General Psychology	3
SOCI 1101	Introduction to Sociology	3

Who understands his/her group’s cultures and history – American, British, multicultural American literature, or history of western civilization

One course from

ENGL 2203	British Literature to 1790	3
ENGL 2204	British Literature from 1790	3
ENGL 2210	United States Literature to 1865	3
ENGL 2211	United States Literature from 1865	3
ENGL 2220	Ethnic American Literature	3
ENGL 2221	Women Writers	3
HIST 1113	Transformative Developments in Western Civilization (1500-present)	3
PHIL 2201	History of Philosophy I - Ancient and Medieval	3
PHIL 2202	History of Philosophy II - Modern and Contemporary	3
RELG 2201	Religious Movements in North America	3
RELG 2254	History of Christianity	3

Who understands the role of government and its institutions – U.S. history or American government

HIST 2212	Pivotal Moments in Recent U.S. History	3
	OR	
POSC 1101	American Government	3

III. A world citizen who appreciates the cultural contributions of other societies and who understands and appreciates other cultures (12 hours)

Modern Languages (choose pair)

SPAN 1101	Elementary Spanish I	3
	AND	
SPAN 1102	Elementary Spanish II	3
GRMN 1101	Elementary German I	3
	AND	
GRMN 1102	Elementary German II	3
JPNS 1101	Elementary Japanese I	3
	AND	
JPNS 1102	Elementary Japanese II	3
FREN 1101	Elementary French I	3

	AND	
FREN 1102	Elementary French II	3

Who understands the history and artistic products of other cultures

World history, world religions, anthropology, or world literature

One course from

RELG 1101	Religions of the World	3
EDUC 4401	The Multicultural Classroom	3
ENGL 2201	World Literature to the Renaissance	3
ENGL 2202	World Literature from the Renaissance	3
HIST 1111	World History to the Mid-17th Century	3
HIST 1112	World History since the Mid-17th Century	3
ANTH 1102	Introductory Anthropology	3
ANTH 2250	Cultural Anthropology	3

Fine arts

One course from

ART 1100	Introduction to Art	3
ART 2301	Art History: Prehistoric to Renaissance	3
ART 2302	Art History: Renaissance to Present	3
ENGL 2222	Introduction to Film	3
MUSC 1000	Introduction to Music	3
MUSC 2300	Music in the Christian Church	3
THTR 1100	Introduction to Theatre	3
THTR 3301	Theatre History I	3
THTR 3302	Theatre History II	3

IV. A person who understands the broader natural world (6 hours)

who understands important aspects of the physical nature of the universe, the earth, and/ or living organisms found thereon – natural science

(2-semester sequence – choose pair)

BIOL 1101	General Biology I	3
	AND	
BIOL 1102	General Biology II	3
CHEM 1101	General Chemistry I	3
	AND	
CHEM 1102	General Chemistry II	3
GEOL 1101	Physical Geology	3
	AND	
GEOL 1102	Historical Geology	3
PHYS 1011	Physical Science I	4
	AND	
PHYS 1012	Physical Science II	4
PHYS 2110	General Physics I	4
	AND	
PHYS 2120	General Physics II	4
BIOL 1101	General Biology I	3
	AND	
BIOL 2100	Human Anatomy and Physiology I	4
	AND	
BIOL 2110	Human Anatomy and Physiology II	4

V. Someone whose understanding transcends the academy and is informed by an appreciation for a greater good (3

hours)

Philosophy or religion that involves practical application or nature appreciation (ethics)

Students in business, education, and nursing and health science are exempt from these courses since their major delivers and assesses this outcome (ethics).

One course from

ENGL 2225	Nature Writers	3
ENVS 2070	Environmental Science	3
RELG 3305/PHIL 3305	Ethics	3
RELG 3306/PHIL 3306	Applied Ethics	3
RELG 3325/PHIL 3325	Environmental Ethics	3
SOCI 3320	Structured Social Inequality	3

VI. Additional course for all students who enter the College with fewer than 24 undergraduate credit hours (1 hour)

Course

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Total Credit Hours: 46-47

Requirements II.d and V. may be satisfied through the Compass program (Two Compass learning endeavors/courses).

History must be taken in at least one of II.c, II.d, or III.b.i

B. GENERAL EDUCATION REQUIREMENTS FOR DEGREE COMPLETION PROGRAM — B.A., B.F.A., B.S., OR B.S.N. DEGREE

To enter the Degree Completion Program, Piedmont College must accept a minimum of 60 semester units of college level transfer credit from a regionally accredited college or university or nationally recognized examination credit (CLEP or similar). Students with fewer than 60 semester hours may appeal to the Dean for the School of Arts and Sciences to enter the Degree Completion Program.

Please note: majors may require or encourage specific courses within these general education categories. Please see the Curriculum Outline for the selected major (p. **Error! Bookmark not defined.**).

*Students in business, education, and nursing/health sciences are exempt from these courses since their major delivers and assesses these outcomes (ethics).

I. Communication	9 hours
English Composition	6 hours
Speech Communications	3 hours
II. Humanities and Fine Arts	12 hours
Humanities	3 hours
Fine Arts	3 hours
Modern Language	6 hours
III. Social Sciences	9 hours
History	3 hours
American Government	3 hours
Other social science	3 hours
IV. Mathematics (beyond college algebra, except MATH 2010 and MATH 2020)	3 hours
V. Natural Sciences	4 hours

One corresponding or included lab course required	4 hours
VI. Ethics*	3 hours
Course with an ethics component	3 hours
TOTAL	40 hours

*Students in business, education, and nursing/health sciences are exempt from these courses since their major delivers and assesses these outcomes (ethics).

SCHOOL OF ARTS AND SCIENCES

Dr. Steven D. Nimmo, Dean

Dr. Steve Jacobs, Associate Dean

Dr. Wallace Hinson, Associate Dean for Fine Arts

“As around the mighty oak tree, clings the ivy vine,
so around thee dear old Piedmont
loyal hearts entwine.” (PC Alma Mater)

Mission

The School of Arts and Sciences encourages the development of students as individuals, scholars, and thoughtful members of society by fostering critical and creative thinking, scientific inquiry, intercultural awareness, and ethical reflection and action. Seeking to educate the whole student, the School offers a distinctive core curriculum; a full range of academic majors in the arts, sciences, humanities, social sciences, and mass communication; mentoring and professional development within disciplines; and opportunities for service and leadership within the College and the larger community.

General Education Philosophy

The primary commitment of the School of Arts and Sciences is to the educational enrichment and multidisciplinary learning of our students in a supportive environment. Through the liberal arts curriculum, the School promotes the development of student learning outcomes which support the effective use of content found in the courses at the College. These student learning outcomes are 1) Knowledge of Human Cultures and the Natural World, including natural sciences, social sciences, humanities, histories, languages, and the fine arts; 2) Intellectual and Practical Skills, including inquiry and analysis, critical and creative thinking, written communication, oral communication, quantitative literacy, and information literacy; 3) Personal Growth and Social Responsibility, including civic knowledge and engagement— local and global, intercultural knowledge and understanding, and ethical reasoning in action.

As a result of the focus of the general education (core curriculum) program, Piedmont College graduates are better prepared to pursue their chosen careers and/or graduate and professional study, and to contribute to shaping the evolving cultural, ethical, political, and aesthetic values important to global citizenship.

ART (ART)

Faculty

Associate Professor Botts, Kelly

Assistant Professor, Hitselberger

The art program offers study in painting, drawing, sculpture, ceramics, photography, graphic design and art history. By actively creating and studying works of art in and out of class, students develop visual, creative and analytical skills. Class trips to regional art museums are a regular part of the curriculum.

Students must pass studio courses with a “C” or higher, in order to take the next level. All ART/GRDS majors must pass ART 1110 Professional Practices in the Arts class six times.

Course Descriptions (p. 165)

ART, B.F.A.

The Bachelor of Fine Arts (B.F.A.) degree is a program designed for students planning to pursue a graduate degree in studio art, or for those students seeking a professional career in graphic design and related multimedia areas.

Professional Portfolio Review: Upon the completion of four foundation classes, majors seeking admission to the B.F.A. degree program must submit a portfolio for review by the art faculty. Portfolio reviews are conducted at the end of the fall and spring semester. Deadline dates are posted in the department by midterm. Contact the chair of the art department for specific requirements.

Art Curriculum Outline

Bachelor of Fine Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101 Intro to College Life and Liberal Arts Tradition 1

Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Art Major

Subtotal: 48-57

Art Foundations

ART 1120	Drawing I	3
ART 1130	Two-Dimensional Design	3
ART 1140	Three-Dimensional Design	3
ART 2200	Drawing II	3
ART 2270	Painting I	3

Subtotal: 15

Art History/Criticism

ART 2301	Art History: Prehistoric to Renaissance	3
ART 2302	Art History: Renaissance to Present	3
ART 4430	Art Criticism	3
	Art History Elective	3
	Art History Elective	3

Subtotal: 12-15

Concentration

Students must choose one of the following concentrations:

Subtotal: 18-24

Two-Dimensional Design Concentration: Painting

ART 3370	Painting II	3
ART 3371	Painting III	3
ART 4371	Painting IV	3
ART 4320	Drawing IV	3
	Additional 2D elective	3
	Additional 2D elective	3

Two-Dimensional Design Concentration: Drawing

ART 3320	Drawing III	3
ART 3370	Painting II	3
ART 4371	Painting IV	3
ART 4320	Drawing IV	3
	Additional 2D elective	3
	Additional 2D elective	3

Two-Dimensional Design Concentration: Photography

ART 2215	Black and White Darkroom Photography	3
ART 3315	Digital Photography	3
ART 3316	Intermediate Photography	3
ART 4316	Photography IV	3
ART 4317	Photography V	3
	Additional 2D elective	3

Three-Dimensional Design Concentration: Ceramics

ART 2230	Ceramics: Handbuilding	3
ART 3330	Ceramics: Wheel Throwing	3

ART 3331	Intermediate Ceramics	3
ART 4331	Ceramics IV	3
ART 4332	Ceramics V	3
	Additional 3000/4000 level 3D elective	3

Three-Dimensional Design Concentration: Sculpture

ART 2660	Sculpture I	3
ART 3361	Sculpture II	3
ART 3362	Sculpture III	3
ART 4362	Sculpture IV	3
ART 4363	Sculpture V	3
	Additional 3000/4000 level 3D elective	3

Graphic Design Concentration

GRDS 2200	Foundations in Graphic Design	3
GRDS 2250	Foundations in Graphic Design II	3
GRDS 2270	Print	3
GRDS 3270	Interactive I	3
GRDS 4400	Typography	3
GRDS 4401	Interactive II	3
GRDS 4410	Internship in Graphic Design	3
GRDS 4460	Advanced Graphic Design Studio	3

Senior Exhibition/Capstone

ART 4450	Senior Capstone Seminar and Exhibition	3
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Subtotal: 3**General Electives****Subtotal: 19-25**

ART 2301: This course also satisfies a general education requirement and appears in the number of hours for both general education and the major; in reality, art majors may have 25 additional hours to use for electives. Students may choose electives from all ART/GRDS courses offered. Students should consult their advisors to discuss and plan on ways to enhance their concentration focus. Students preparing for the Master of Arts in Teaching (M.A.T.) in Art Education should take EDUC 3355.

Subtotal: 120

ART, B.A.

The Bachelor of Arts (B.A.) degree is designed for students planning to pursue an interdisciplinary double major or for those students seeking to minor in another field.

Both the B.F.A. and the B.A. degrees are appropriate for students planning to pursue a career in art education through the M.A.T. graduate program.

Art Curriculum Outline**Bachelor of Arts Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Art Major**Subtotal: 45-48****Art Foundations**

ART 1120	Drawing I	3
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ART 1130	Two-Dimensional Design	3
ART 1140	Three-Dimensional Design	3
ART 2200	Drawing II	3
ART 2270	Painting I	3

Subtotal: 15**Art History/Criticism**

ART 2301	Art History: Prehistoric to Renaissance	3
ART 2302	Art History: Renaissance to Present	3
ART 4430	Art Criticism	3
	Art History Elective	3

Subtotal: 9-12**Concentration**

Level II and Level III in any studio discipline

Subtotal: 6**Senior Exhibition/Capstone**

ART 4450	Senior Capstone Seminar and Exhibition	3
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Subtotal: 3**Major Electives**

Students must select four courses from photography, ceramics, sculpture, drawing, painting, and graphic design.

Subtotal: 12

ART 2301: This course also satisfies a general education requirement and appears in the number of hours for both general education and the major; in reality, art majors may have 28 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

ART EDUCATION B-12: INITIAL TEACHER CERTIFICATION, B.A.

Piedmont's undergraduate art education program addresses the needs of the artist who has an interest in teaching in a public school setting. Designed to produce teachers who have a balance between well-grounded educational theory and a more "hands-on" experience, the program enables candidate to observe and assist with teaching in all B-12 classrooms as an art specialist.

Art Education B-12 Curriculum Outline**(Initial Teacher Certification Program)****Bachelor of Arts Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Art Education Major**Subtotal: 73-79****Art Foundations**

ART 1120	Drawing I	3
ART 1130	Two-Dimensional Design	3
ART 1140	Three-Dimensional Design	3

ART 2200	Drawing II	3
ART 2270	Painting I	3
ART 2301	Art History: Prehistoric to Renaissance	3
ART 2302	Art History: Renaissance to Present	3
ART 4430	Art Criticism	3
GRDS 2200	Foundations in Graphic Design	3

Students must choose one of the following courses:

ART 2230	Ceramics: Handbuilding	3
ART 2660	Sculpture I	3

Subtotal: 27-30**Art Electives**

Art Elective	3
Level II Elective	3
Level III Elective	3

Subtotal: 9**Teacher Certification**

ART 4420	Art Education Experiences, B-6	3
ART 4421	Art Education Experiences, 7-12	3
ART 4496	Senior Art Education Orientation	1
ART 4498	Art Education Internship I	3
ART 4499	Art Education Internship II	9
EDUC 1199	Introduction to Education	3
EDUC 2250	Media and Technology for Educators	3
EDUC 2251	Professional Practice I	1
EDUC 3307	Learning and Cognition	3
EDUC 3111	Professional Practice II	1
EDUC 3151	Professional Practice III	1
EDUC 3355	Exceptional Children	3
EDUC 4401	The Multicultural Classroom	3
EDUC 4497	Classroom Management	3

Subtotal: 37-40**General Electives - None required**

ART 2301, EDUC 4401: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major.

Subtotal: 120

ART, MINOR

A minor in art requires 15 hours (5 courses) in any collection ART or GRDS prefix except ART 1100.

GRAPHIC DESIGN, MINOR

A minor in Graphic Design requires 15 hours

Courses

GRDS 2200	Foundations in Graphic Design	3
GRDS 2250	Foundations in Graphic Design II	3
GRDS 2270	Print	3
GRDS 3270	Interactive I	3
GRDS 4460	Advanced Graphic Design Studio	3

ARTS ADMINISTRATION (AAD)**Faculty**

Art: Botts, Hitselberger and Kelly

Music: Hinson, Mellichamp, Pilkington, Price, Ringwall, Stegner
 Theatre: Blandin, Gabelhausen, Johnson, and Spiegel

The arts administration program is designed to develop skills, aesthetic sensitivity and technical knowledge in the fine arts, as well as build practical managerial expertise in the areas of production, marketing, presentation and business in arts organizations. Students take courses in business, art, music and theatre, and gain direct career related experience through an internship program placing them in various art galleries, civic and professional theatres, and music venues. Experiences in studio art, music performance, and theatrical design, acting, and directing are an integral part of the program.

Course Descriptions (p. 165)

ARTS ADMINISTRATION, B.F.A.

Arts Administration Curriculum Outline

Bachelor of Fine Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Arts Administration Major

Subtotal: 64-76

Fine Arts Foundations

GRDS 2200	Foundations in Graphic Design	3
GRDS 3270	Interactive I	3
GRDS 2200	Foundations in Graphic Design	3
GRDS 3270	Interactive I	3
THTR 2205	Fundamentals of Technical Theatre	3
THTR 2210	Fundamentals of Acting	3
THTR 3325	Theatre Management	3
	Applied Music Lessons (MUSC 1810-4820)	3
	Ensembles (MUSC 1500-1555)	3

Applied Music Lessons, Ensembles: 3 hours minimum/1 hour each.

Students must choose one of the following courses:

ART 2301	Art History: Prehistoric to Renaissance	3
ART 2302	Art History: Renaissance to Present	3

Students must choose one of the following courses:

MUSC 3210	Music History	3
MUSC 3220	Music History	3
MUSC 3230	Music History	3

Subtotal: 30-33

Concentration

Students must select one of the following concentrations:

Subtotal: 18

Art Concentration

ART 1120	Drawing I	3
ART 1130	Two-Dimensional Design	3
GRDS/ART	Graphic Design or Studio Art Electives	9

Students must choose one of the following courses not taken in the foundations courses:

ART 2301	Art History: Prehistoric to Renaissance	3
ART 2302	Art History: Renaissance to Present	3

Music Concentration

MUSC 1100	Music Theory I	3
MUSC 1110	Aural Skills I	1
	Applied Music or Ensembles	2
	Music Electives	9

Applied Music or Ensembles: 2 hours beyond those taken as required courses/1 hour each.

Students must choose one of the following courses not taken in the foundations courses:

MUSC 3210	Music History	3
MUSC 3220	Music History	3
MUSC 3230	Music History	3

Theatre Concentration

THTR 2230	Children's Theatre	3
THTR 3301	Theatre History I	3
THTR 3302	Theatre History II	3
THTR 3305	Introduction to Scenic Design	3
THTR 3317	Lighting Design	3
THTR 4410	Fundamentals of Directing	3

Internship

Students must register for one course per semester for a total of three semesters. Two of the internships must be in the concentration; one must be outside the concentration.

ART 4461	Arts Administration Internship in Art I	1
ART 4462	Arts Administration Internship in Art II	1
MUSC 4950	Arts Administration Internship in Music I	1
MUSC 4960	Arts Administration Internship in Music II	1
THTR 4431	Arts Administration Internship in Theatre I	1
THTR 4432	Arts Administration Internship in Theatre II	1

Subtotal: 3**Capstone**

Students must register for the capstone in the concentration.

ART 4451	Arts Administration Capstone	1
MUSC 4900	Music Capstone	1
THTR 4441	Capstone in Arts Administration	1

Subtotal: 1**Business Courses**

ACCT 2010	Accounting I	3
ACCT 2020	Accounting II	3
BUSA 1210	Principles of Economics	3
BUSA 2000	Business Communication	3
BUSA 3010	Management	3
BUSA 3200	Marketing	3
BUSA 3306	Applied Ethics	3
BUSA 3400	Finance for Business	3
BUSA 3700	Project Management	3
MCOM 3700	Advertising and Communications	3
	OR	
BUSA 4100	Advertising & Promotion	3

Subtotal: 21-30**General Electives****Subtotal: 9**

BUSA 1210, BUSA 2000, ART 2301, ART 2302, BUSA 3306: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, art administration majors may have up to 9 additional hours to use for electives.

Subtotal: 120

BIOLOGY (BIOL)

Faculty

Professors Austin, Camp, and Wainberg
Associate Professors T. Menzel, Schmitz
Assistant Professor Bewick

Biology is the study of life. Having a basic knowledge of biology is necessary to appreciate who we are as humans and how we function and relate to other living systems. Such an appreciation, in turn, is required to understand many of the most important medical, environmental and social issues facing society. In addition, many of our everyday activities require some degree of biological knowledge. In sum, studying biology gives us the tools to cope with life itself.

Course Descriptions (p. 165)

BIOLOGY, B.S.

The program of study for the major in biology is designed for students interested in biology as a pure and applied science. Successful completion of the program prepares students for a number of endeavors and job possibilities, including furthering their professional development through post-graduate training.

Pre-professional students in the areas of pre-dentistry, pre-medicine, pre-veterinary medicine, and related fields usually choose biology to prepare for their particular program of study with Cell and Molecular Biology as the appropriate concentration. However, pre-professional studies involve variable curricula requirements depending on the particular professional school of the student's interest. Students in pre-professional programs should, in conjunction with their advisor, contact the school(s) of their choice to obtain specific requirements in order to develop a proper program of study while at Piedmont College.

The concentration in Cell and Molecular Biology also prepares students for careers in pure sciences such as genetics as well as applied fields including biotechnology. Students with an interest in organismal biology, ecology, or evolutionary biology — or such applied fields as wildlife conservation or marine biology — can choose a concentration in Ecology and Evolutionary Biology. In either case, students may want to take additional courses from outside of their concentration, depending on their specific interests.

Science, including biology, is centered on application, not merely the learning of a body of facts. Therefore, an important focus of a major in the sciences at Piedmont College is developing a working knowledge of the scientific method and the process of scientific inquiry. This prepares students to succeed in graduate school while ensuring that they receive an education that is comparable to the finest institutions in the country.

Biology majors must select one of two concentrations. The Cellular and Molecular Biology Concentration requires 68-69 hours. The Ecology and Evolutionary Biology concentration requires 70-71 hours.

Biology Curriculum Outline

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Biology Major

Subtotal: 59-71

Biology Foundations

BIOL 1101	General Biology I	3
BLAB 1101	General Biology Lab I	1
BIOL 1102	General Biology II	3
BLAB 1102	General Biology Lab II	1
BIOL 3200	General Microbiology	4
BIOL 2240	Genetics	4
BIOL 3990	Philosophy and Methodology of Science	3
BIOL 4500	Organic Evolution	4
BIOL 4950	Science Seminar	1
CHEM 1101	General Chemistry I	3
CLAB 1101	General Chemistry Lab I	1
CHEM 1102	General Chemistry II	3
CLAB 1102	General Chemistry Lab II	1
CHEM 2351	Organic Chemistry I	4
CHEM 2352	Organic Chemistry II	4
MATH 2450	Calculus I	4
PHYS 2110	General Physics I	4
PHYS 2120	General Physics II	4

Students must choose one of the following courses:

BIOL 4980	Senior Research	3
BIOL 4981/GEOL 4981	Senior Library Research	2
BIOL 4989	Honors Senior Research	3

Subtotal: 43-55**Concentration**

Students must choose one of the following concentrations:

Subtotal: 14-16**Cell and Molecular Biology Concentration**

BIOL 3300	Cell Biology	3
BIOL 4210	Biochemistry	3

Students must choose two of the following courses:

BIOL 3650	Comparative Physiology	4
BIOL 3750	Biotechnology	4
BIOL 4250	Genomics and Bioinformatics	4

Ecology and Evolutionary Biology Concentration

BIOL 3500	Vertebrate Natural History	4
BIOL 4200	Invertebrate Zoology	4
BIOL 4700	Ecology	4

Students must choose one of the following courses:

BIOL 3650	Comparative Physiology	4
BIOL 3700	Animal Behavior	4

General Electives**Subtotal: 14**

BIOL 1101, BLAB 1101, BIOL 1102, MATH 2450: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, biology majors may have up to 14 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on which concentration they select and on the courses taken to satisfy general education requirements.

Subtotal: 120

BIOLOGY, MINOR

A minor in biology requires 15-16 hours (four courses) in biology course work. Courses must be at the 3000 level or above.

HONORS PROGRAM IN BIOLOGY

The Honors Program in Biology allows academically qualified students to delve deeper into the scientific experience and to better prepare for post-graduate education by conducting independent research. To that end, students who are in the Honors Program are required to take BIO 4989 (Honors Senior Research) and BIOL 4999 (Honors Thesis) in addition to their major requirements. Honors students also take BIO 4959 (Honors Senior Seminar) instead of BIOL 4950 (Science Seminar). Students having a GPA of 3.0 or better may apply for entry into the Honors Program during their junior year. Those with a GPA of 3.5 or better are guaranteed acceptance. Students in the Honors Program receive scholarship money as well as recognition upon graduation that they graduated with Honors in Biology.

BIOLOGY EDUCATION, B.A.

Piedmont's undergraduate secondary education program addresses the continuing shortage of highly qualified teachers in Georgia. Designed to prepare teachers who have more "hands-on" experience, the program enables candidates to observe and assist with teaching in 6-12th grade classrooms. Candidates also experience the impact that diversity has on schooling and consider the implications on teaching and learning. Candidates study and reflect upon the knowledge, skills, and dispositions (habits of mind) required for successful teachers—both in their college classes and during field work. Requiring a content major in the field of study, this program culminates in a full year Apprentice Teaching experience in area schools.

Biology Education Curriculum Outline

Bachelor of Arts Degree

In order to successfully complete this program, students must be admitted to the Teacher Education program and adhere to all of the requirements (p. 138). (Course descriptions (p. 165))

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Biology Education Major

Subtotal: 80-90

Biology Foundations

BIOL 1101	General Biology I	3
BLAB 1101	General Biology Lab I	1
BIOL 1102	General Biology II	3
BLAB 1102	General Biology Lab II	1
BIOL 2240	Genetics	4
BIOL 3500	Vertebrate Natural History	4
BIOL 3990	Philosophy and Methodology of Science	3
BIOL 4210	Biochemistry	3
BIOL 4700	Ecology	4
CHEM 1101	General Chemistry I	3
CLAB 1101	General Chemistry Lab I	1
CHEM 1102	General Chemistry II	3
CLAB 1102	General Chemistry Lab II	1
CHEM 2351	Organic Chemistry I	4
ENVS 2070	Environmental Science	3
PHYS 1011	Physical Science I	4

Subtotal: 35-45

Teacher Certification

EDUC 1199	Introduction to Education	3
EDUC 2250	Media and Technology for Educators	3
EDUC 2251	Professional Practice I	1
EDUC 3111	Professional Practice II	1

EDUC 3355	Exceptional Children	3
EDUC 3151	Professional Practice III	1
EDUC 4497	Classroom Management	3
EDSE 3301	Methods in Secondary Education	3
EDSE 3335	Science Methods, 6-12	3
ENGL 4440	Reading and Writing in the Content Areas	3
PSYC 3311	Psychology of Adolescence	3

Subtotal: 27**Apprenticeship Sequence**

EDSE 4400	Facilitating Learning and Assessment I	1
EDSE 4401	Facilitating Learning and Assessment I II	1
EDSE 4498	Internship I	3
EDSE 4499	Internship II	9

Subtotal: 18**General Electives - None required**

BIOL 1101, BLAB 1101, BIOL 1102, ENVS 2070: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major.

Subtotal: 127

NOTICE: GACE II must be passed prior to Apprentice Teaching II.

CAREER OPTIONS

The most common careers in biology include High school teachers, researchers, laboratory personnel, government employees, health care professionals, industrial technologists, scientific writers and illustrators, and medical librarians. Others use an undergraduate degree in biology as a foundation for professional training in dentistry, medicine, nursing, pharmacy, veterinary medicine and environmental law.

CHEMISTRY (CHEM)**Faculty**

Professor Carrigan
Associate Professor Bailey

The science of chemistry is concerned with the composition, structure, properties and reactions of matter. The scope of chemistry is extremely broad; it includes the whole universe and everything, animate and inanimate, in it. Chemistry is concerned not only with the composition and changes in composition of matter, but also with the energy and energy changes that accompany the transformations of matter. Through chemistry, we seek to learn and understand the general principles that govern the behavior of all matter.

The chemist, like other scientists, observes nature and attempts to understand its secrets. A chemist may interpret natural phenomena, devise experiments that reveal the composition and structure of complex substances, study methods for improving natural processes, or synthesize substances unknown in nature. Ultimately, the efforts of chemists advance the frontiers of knowledge and at the same time contribute to the well-being of humanity.

Chemistry majors work in the pharmaceutical industries, food safety and testing, paints, plastics, synthetic materials, and the petroleum industries. Employment possibilities are available in the private sector, educational and research institutions and governmental agencies. Additionally, chemistry majors often pursue careers in applied research, laboratory testing, and graduate study in chemistry and related fields.

Science, including chemistry, is centered on application, not merely the learning of a body of facts. Therefore, an important focus of a major in the sciences at Piedmont College is developing a working knowledge of the scientific method and process of scientific inquiry. This prepares students to succeed in graduate school while ensuring that they receive an education that is comparable to the finest institutions in the country.

Course Descriptions (p. 165)

CHEMISTRY, B.S.**Chemistry Curriculum Outline**

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101 Intro to College Life and Liberal Arts Tradition 1

Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Chemistry Major

CHEM 1101	General Chemistry I	3
CLAB 1101	General Chemistry Lab I	1
CHEM 1102	General Chemistry II	3
CLAB 1102	General Chemistry Lab II	1
CHEM 2351	Organic Chemistry I	4
CHEM 2352	Organic Chemistry II	4
CHEM 3321	Quantitative Inorganic Analysis	4
CHEM 3322	Instrumental Analysis	4
CHEM 3710	Inorganic Chemistry	4
CHEM 3990	Philosophy and Methodology of Science	3
CHEM 4210	Biochemistry	3
CHEM 4451	Physical Chemistry I	4
CHEM 4452	Physical Chemistry II/Quantum Mechanics	4
CHEM 4950	Science Seminar	1
ENVS 2070	Environmental Science	3
MATH 2450	Calculus I	4
MATH 2460	Calculus II	4
MATH 2470	Calculus III	4
PHYS 2110	General Physics I	4
PHYS 2120	General Physics II	4

Student must take one of the following courses:

CHEM 4980	Senior Research	3
CHEM 4981	Senior Library Research	2
CHEM 4989	Honors Senior Research	3

Subtotal: 56-69

General Electives

Subtotal: 17

CHEM 1101, CLAB 1101, CHEM 1102, ENVS 2070, MATH 2450, PHYS 2110, PHYS 2120: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, chemistry majors may have up to 17 additional hours to use for electives.

Subtotal: 120

CHEMISTRY, MINOR

The minor in Chemistry requires 22-24 hours.

Required Courses (16 hours)

CHEM 1101	General Chemistry I	3
CLAB 1101	General Chemistry Lab I	1
CHEM 1102	General Chemistry II	3
CLAB 1102	General Chemistry Lab II	1
CHEM 2351	Organic Chemistry I	4
CHEM 2352	Organic Chemistry II	4

The minor in Chemistry also requires any two of the following courses numbered above 3000 as well as any

prerequisites.

CHEM 3050	Current Topics in Environmental Chemistry	2
CHEM 3321	Quantitative Inorganic Analysis	4
CHEM 3322	Instrumental Analysis	4
CHEM 3710	Inorganic Chemistry	4
CHEM 4451	Physical Chemistry I	4
CHEM 4452	Physical Chemistry II/Quantum Mechanics	4
CHEM 4800	Special Topics in Natural Sciences	1-4

HONORS PROGRAM IN CHEMISTRY

The Honors Program in Chemistry allows academically qualified students to delve deeper into the scientific experience and to better prepare for post-graduate education by conducting independent research. To that end, students who are in the Honors Program are required to take CHEM 4989 (Honors Senior Research) and CHEM 4999 (Honors Thesis) in addition to their major requirements. Honors students also take CHEM 4959 (Honors Science Seminar) instead of CHEM 4950 (Science Seminar). Students having a GPA of 3.0 or better may apply for entry into the Honor Program during their junior year. Those with a GPA of 3.5 or better are guaranteed acceptance. Students in the Honors Program receive scholarship money as well as recognition upon graduation that they graduated with Honors in Chemistry.

CHEMISTRY EDUCATION, B.S.

Piedmont's undergraduate secondary education program addresses the continuing shortage of highly qualified teachers in Georgia. Designed to prepare teachers who have more "hands-on" experience, the program enables candidates to observe and assist with teaching in 6-12th grade classrooms. Candidates also experience the impact that diversity has on schooling and consider the implications on teaching and learning. Candidates study and reflect upon the knowledge, skills, and dispositions (habits of mind) required for successful teachers—both in their college classes and during field work. Requiring a content major in the field of study, this program culminates in a full year Apprentice Teaching experience in area schools.

The major in chemistry education requires 89 hours, comprised of the following courses In order to successfully complete this program, students must be admitted to the Teacher Education program and adhere to all of the requirements (p. 138). (Course descriptions (p. 165))

Chemistry Education Curriculum Outline**Bachelor of Science Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Chemistry Education Major**Subtotal: 86-96****Chemistry Foundations**

CHEM 1101	General Chemistry I	3
CLAB 1101	General Chemistry Lab I	1
CHEM 1102	General Chemistry II	3
CLAB 1102	General Chemistry Lab II	1
CHEM 2351	Organic Chemistry I	4
CHEM 2352	Organic Chemistry II	4
CHEM 3321	Quantitative Inorganic Analysis	4
CHEM 3322	Instrumental Analysis	4
CHEM 3710	Inorganic Chemistry	4
CHEM 3990	Philosophy and Methodology of Science	3
CHEM 4451	Physical Chemistry I	4
CHEM 4452	Physical Chemistry II/Quantum Mechanics	4
MATH 2450	Calculus I	4

MATH 2460	Calculus II	4
MATH 2470	Calculus III	4

Subtotal: 41-51**Teacher Certification**

EDUC 1199	Introduction to Education	3
EDUC 2250	Media and Technology for Educators	3
EDUC 2251	Professional Practice I	1
EDUC 3111	Professional Practice II	1
EDUC 3151	Professional Practice III	1
EDUC 3355	Exceptional Children	3
EDUC 4497	Classroom Management	3
EDSE 3301	Methods in Secondary Education	3
EDSE 3335	Science Methods, 6-12	3
ENGL 4440	Reading and Writing in the Content Areas	3
PSYC 3311	Psychology of Adolescence	3

Subtotal: 27**Apprenticeship Sequence**

EDSE 4400	Facilitating Learning and Assessment I	1
EDSE 4401	Facilitating Learning and Assessment I II	1
EDSE 4498	Internship I	3
EDSE 4499	Internship II	9

Subtotal: 18**General Electives - None required**

CHEM 1101, CLAB 1101, CHEM 1102, MATH 2450: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major.

Subtotal: 133

CRIMINAL JUSTICE (CRJU)**Faculty**

Assistant Professor Brandon Roberts

Criminal justice is the interdisciplinary study of the theory and practice of the police, courts and corrections institutions in the United States. The program of study includes the review and discussion of the structures, processes and relationships between the various segments of the criminal justice system. In addition, the study of criminal justice examines the legal system within a broad social, political and psychological framework and explores how that broad framework influences the actors and activities of all those involved with, or influenced by, the criminal justice system.

Course Descriptions (p. 165)

CRIMINAL JUSTICE, B.A.**Criminal Justice Curriculum Outline****Bachelor of Arts Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Criminal Justice Major**Subtotal: 45****Required Courses**

CRJU 1290	Introduction to Criminal Justice	3
CRJU 2335	Criminal Investigation	3
CRJU 3330	Police and Society	3
CRJU 3331	Juvenile Justice	3
CRJU 3390	Criminology	3
CRJU 4430	Homeland Security and Terrorism	3
FRSC 1101	Criminalistics	3
MATH 2100	Elementary Statistics	3
POSC 3370	Adjudication Processes	3
POSC 4415	Criminal Law and Procedure	3
SOSC 3398	Internship	1-6
SOSC 3310	Research Methods	3
SOSC 4480	Senior Seminar	3

Major Electives

Students must select six hours of coursework from the following courses or they may take the two courses in the Technology and Crime Concentration listed below:

CRJU 3380	Victimology	3
CRJU 3385	Punishment in the United States	3
CRJU 4475	Special Topics	3
PSYC 4415	Abnormal Psychology	3
SOCI 4410	Race and Ethnic Relations	3
SOSC 3398	Internship	1-6

Technology and Crime Concentration

ENVS 2200	Introduction to Geographical Information Systems	3
ENVS 3300	Geographical Information Systems Applications	3

General Electives**Subtotal: 31**

MATH 2100: This course also satisfies a general education requirement and appears in the number of hours for both general education and the major; in reality, criminal justice majors may have up to 31 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

CRIMINAL JUSTICE, MINOR

A minor in criminal justice consists of 15 semester hours selected from the following.

CRJU 1290	Introduction to Criminal Justice	3
CRJU 2335	Criminal Investigation	3
CRJU 3330	Police and Society	3
POSC 3370	Adjudication Processes	3
CRJU 3380	Victimology	3
CRJU 3385	Punishment in the United States	3
SOSC 3398	Internship	1-6
POSC 4415	Criminal Law and Procedure	3
CRJU 4475	Special Topics	3

CAREER OPTIONS

The interdisciplinary nature of the criminal justice degree qualifies students for a wide range of occupations, including law enforcement, probation and parole, juvenile justice, counseling, and legal investigator. The criminal justice major also prepares students for graduate-level study and for law school.

EARTH SCIENCE (ERSC)

Faculty

Professor Dooley

Earth Science includes the study of the Earth, space, and oceans, and the interactions therein that make our planet a unique entity among the known planets as well as an incredibly hospitable planet. Courses offered in this area are for those interested in aspects of Earth Science outside of the courses offered through the various science majors available. These courses also serve to support those programs for individuals seeking degrees in middle school and secondary education.

Career Options

Careers in the earth sciences span the fields of industry, research and education. An educational foundation incorporating studies in the earth sciences is applicable to a variety of fields, including exploration and economic geology, groundwater and soil science, environmental science, and science education. Incorporating earth sciences into the undergraduate curriculum of various majors allows students to pursue graduate degrees in geology, physical geography, organic and inorganic chemistry, paleontology, science education, and environmental law.

Course Descriptions (p. 165)

ENGLISH (ENGL)

Faculty

Professor Emeriti Greene, Hodgens
Professors Almagno, Charles, and Whited
Associate Professor Davis
Assistant Professor O'Keefe

In English, students study literature, English language, and composition. Introductory courses explore critical thinking, effective writing, critical reading, research methods, and characteristics of literature. Intermediate courses survey Western and non-Western literature and culture and continue instruction in composition and research. Advanced courses examine in greater detail literature, language, critical and creative writing, and pedagogy.

Students anticipating a career teaching English in grades 6-12 may pursue either (a) the program beginning in the freshman year leading toward certification at the undergraduate level, or (b) the Dual-Degree program leading toward certification at the graduate level. (Refer to Dual-Degree programs (p. 147) for information.)

Course Descriptions (p. 165)

ENGLISH, B.A.

All students majoring in English must take 36 hours (12 courses) in English beyond ENGL 1101 and ENGL 1102. English majors may choose from two concentrations: Literary Studies and Creative Writing. Students and their advisors will schedule courses from five categories: Literary History, Literary Genre, Reading and Writing, Creative Writing, and Major Authors. English majors meet the senior capstone requirement their senior year in ENGL 4498 [1 hour] and ENGL 4499 [2 hours].

English Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

English Major

ENGL 3000	Introduction to English Studies	3
ENGL 4498	Senior Seminar Research in English	1
ENGL 4499	Senior Seminar in English	2

Subtotal: 36**Concentration***Students must choose one of the following concentrations:***Subtotal: 30****Literary Studies**

Category 1—Literary History (See course listings below)	12-18
Category 2-Genre, Category 3-Reading Writing, or Category 4-Creative Writing	3-9
Category 5—Major Authors	3-9

Creative Writing

Category 1—Literary History (See course listings below)	12
Category 2-Genre	3
Category 4—Creative Writing	12
Category 5—Major Authors	3

General Electives*Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills.***Subtotal: 37**

Subtotal: 120

Concentration Categories**Category 1 - Literary History**

ENGL 4401	Seminar in World Literature	3
ENGL 4408	Restoration and Eighteenth-Century Literature	3
ENGL 4415	British Romanticism	3
ENGL 4421	Victorian Literature	3
ENGL 4426	Twentieth-Century British Literature	3
ENGL 4427	American Romanticism	3
ENGL 4428	Twentieth-Century American Literature	3
ENGL 4429	Multicultural American Literature	3
ENGL 4430	Literature of the American South	3

*Students may substitute up to 6 hours of 2000-level ENGL courses for Category 1—Literary History.***Category 2 - Genre**

ENGL 3307	Short Story	3
ENGL 3308	Novel	3
ENGL 3309	Poetry	3
ENGL 3311	Drama	3
ENGL 3312	Non-Fiction	3

Category 3 - Reading and Writing

ENGL 3335	Technical Writing	3
ENGL 4431	History of the English Language	3
ENGL 4432	Creative Writing Methods for Teaching Learning Content	3
ENGL 4440	Reading and Writing in the Content Areas	3
ENGL 4450	Seminar in Composition Studies	3
ENGL 4455	Survey of English Usage for Teachers	3

ENGL 4456	Reading Improvement at the Secondary Level	3
ENGL 4460	Literary Criticism	3

Category 4 - Creative Writing

ENGL 3392	Creative Writing: Poetry	3
ENGL 3393	Creative Writing: Non-Fiction	3
ENGL 3394	Creative Writing: Fiction	3
ENGL 3395	Creative Writing: Screenwriting, Drama, and Adaptation	3
ENGL 4400	Trillium: Literary Publications	3
ENGL 4492	Creative Writing: Poetry	3
ENGL 4493	Creative Writing: Non-Fiction	3
ENGL 4494	Creative Writing: Fiction	3
ENGL 4495	Creative Writing: Screenwriting, Drama, and Adaptation	3

Category 5 - Major Authors

ENGL 4402	Medieval Literature	3
ENGL 4403	British Renaissance	3
ENGL 4405	Shakespeare	3
ENGL 4480	Major Authors	3
ENGL 4481	Seminar in Film	3
ENGL 4490	Special Topics	3

ENGLISH EDUCATION: INITIAL TEACHER CERTIFICATION, B.A.

Piedmont's undergraduate secondary education program addresses the continuing shortage of highly qualified teachers in Georgia. Designed to prepare teachers who have more "hands-on" experience, the program enables candidates to observe and assist with teaching in 6-12th grade classrooms. Candidates also experience the impact that diversity has on schooling and consider the implications on teaching and learning. Candidates study and reflect upon the knowledge, skills, and dispositions (habits of mind) required for successful teachers—both in their college classes and during field work. Requiring a content major in the field of study, this program culminates in a full year Apprentice Teaching experience in area schools. For initial teacher certification, students follow a prescribed advising check list approved by the School of Education. English Education majors meet the capstone requirement through their apprentice teaching experience.

In order to successfully complete this program, students must be admitted to the Teacher Education program and adhere to all of the requirements (p. 138). (Course descriptions (p. 165))

Students may enter the initial teacher certification program up to the first semester of the junior year. After that the Dual-Degree program is the only option.

English Education Curriculum Outline**Bachelor of Arts Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

English Education Major**Subtotal: 78-81****English**

ENGL 3000	Introduction to English Studies	3
ENGL 4401	Seminar in World Literature	3
ENGL 4405	Shakespeare	3

ENGL 4429	Multicultural American Literature	3
ENGL 4450	Seminar in Composition Studies	3
ENGL 4455	Survey of English Usage for Teachers	3

Students must choose one of the following Creative Writing courses:

ENGL 3392	Creative Writing: Poetry	3
ENGL 3393	Creative Writing: Non-Fiction	3
ENGL 3394	Creative Writing: Fiction	3
ENGL 3395	Creative Writing: Screenwriting, Drama, and Adaptation	3
ENGL 4400	Trillium: Literary Publications	3

Students must choose one of the following British Literature survey courses:

ENGL 2203	British Literature to 1790	3
ENGL 2204	British Literature from 1790	3

Students must choose one of the following British Literature courses:

ENGL 4402	Medieval Literature	3
ENGL 4403	British Renaissance	3
ENGL 4408	Restoration and Eighteenth-Century Literature	3
ENGL 4415	British Romanticism	3
ENGL 4421	Victorian Literature	3
ENGL 4426	Twentieth-Century British Literature	3

Students must choose one of the following United States Literature survey courses:

ENGL 2210	United States Literature to 1865	3
ENGL 2211	United States Literature from 1865	3

Students must choose one of the following United States Literature courses:

ENGL 4427	American Romanticism	3
ENGL 4428	Twentieth-Century American Literature	3
ENGL 4429	Multicultural American Literature	3
ENGL 4430	Literature of the American South	3

Students must choose an addition upper level English elective:

ENGL	English Elective (3000 or above)	3
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Subtotal: 33-36

Teacher Certification

EDUC 1199	Introduction to Education	3
EDUC 2250	Media and Technology for Educators	3
EDUC 2251	Professional Practice I	1
EDUC 3111	Professional Practice II	1
EDUC 3151	Professional Practice III	1
EDUC 3355	Exceptional Children	3
EDUC 4497	Classroom Management	3
EDSE 3301	Methods in Secondary Education	3
EDSE 3332	Language Arts Methods, 6-12	3
ENGL 4440	Reading and Writing in the Content Areas	3
PSYC 3311	Psychology of Adolescence	3

Subtotal: 27

Apprenticeship Sequence

EDSE 4400	Facilitating Learning and Assessment I	1
EDSE 4401	Facilitating Learning and Assessment I II	1
EDSE 4498	Internship I	3
EDSE 4499	Internship II	9

Subtotal: 18

Electives - None Required

ENGL 2203, ENGL 2204, ENGL 2210, ENGL 2211: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major.

Subtotal: 125

NOTICE: GACE II must be passed prior to Apprentice Teaching II.

ENGLISH, MINOR

A minor in English requires 15 hours (five courses) of English beyond ENGL 1101 and ENGL 1102.

CREATIVE WRITING, MINOR

A minor in creative writing requires 15 hours in selected literature and creative writing courses, including 3 hours in ENGL 4400.

CAREER OPTIONS

While English majors and minors often pursue master's degrees and doctoral studies in literary studies, poetics, and linguistics, English composition and literature also provide excellent preparation for many different careers, including law, secondary education, journalism, publishing, editorial work, business and economics, advertising and publications, creative writing, technical writing, and librarianship. English minors are often sought for graduate programs in the sciences, including medicine.

ENVIRONMENTAL GEOLOGY (GEOL)

Faculty

Professor Dooley
Associate Professor T. Menzel

Geology is the study of complex earth systems, including surface and subsurface processes leading to the formation and destruction of Earth's natural resources. Environmental Geology is much more than identifying rocks, minerals, and defining terms as they relate to Earth's processes. It also includes trying to understand the past record of climate change, the risks posed by an array of natural hazards such as earthquakes and volcanic eruptions, and the interplay between biologic and geologic forces, among many other endeavors. This program concentrates on the formation, extraction, and use of our natural resources and the consequences of said actions. Geology naturally lends itself to interdisciplinary studies in areas of common interest with Biology, Chemistry and Physics, Oceanography, Climatology and many other disciplines.

Course Descriptions (p. 165)

ENVIRONMENTAL GEOLOGY, MINOR

Program of Study

Prerequisites: (7 hours)

GEOL 1101	Physical Geology	3
GLAB 1101	Physical Geology Lab	1
ENVS 2070	Environmental Science	3

Required courses: (8 hours)

GEOL 2210	Environmental Geology	3
GEOL 3050	Current Topics in Environmental Geology	2
GEOL 3100	Hydrology	3

Course options—Choose two (4-8 hours)

BIOL 3050	Current Topics in Environmental Biology	2
BIOL 4700	Ecology	4
CHEM 3050	Current Topics in Environmental Chemistry	2
CHEM 3322	Instrumental Analysis	4

Course options—Choose one: 3 hours)

ENGL 2225	Nature Writers	3
PHIL 3325/RELG 3325	Environmental Ethics	3
POSC 4405	Global Issues	3

PSYC 4430

Environmental Psychology

3

CAREER OPTIONS

Geology job titles might include, but are not limited to geohydrologist, engineering geologist, environmental geologist, geochemist, structural geologist, sedimentologist, petrologist, petroleum geologist, exploration geologist, professor, or research geologist. Employment is found in a wide array of public and private sectors and involves natural hazard assessment, environmental remediation, resource exploration and development, education, and public policy development. Working conditions vary greatly, but often include a diverse mix of travel, fieldwork, lab work, computer modeling, office work, and report writing. In addition, a degree in geology provides students with a broad suite of skills that allow for migration into other endeavors such as environmental law, computer modeling, science journalism, and more.

ENVIRONMENTAL SCIENCE (ENVS)

Faculty

Professor Dooley

Associate Professor T. Menzel

Environmental science is the study of the natural environment and how humans use natural resources. A scientific understanding the interaction between humans and the environment is crucial to issues of resource use including resource management, environmental pollution, finding solutions to environmental problems. Environmental science is interdisciplinary by nature and involves expertise in the sciences (biology, chemistry, toxicology, and related scientific fields) as well as ethics, economics, and other social science disciplines. Because of the growth of human populations worldwide and an increasing global awareness of the importance of the environment, this is one of the most rapidly growing academic fields. Similarly, career opportunities in the environmental field and opportunities for graduate studies are becoming increasingly abundant. This major is specifically designed to prepare students for these opportunities.

Course Descriptions (p. 165)

ENVIRONMENTAL SCIENCE, B.S.

The major in environmental science is designed for students interested in studying resource use, environmental problems, and solutions to these problems from a scientific perspective. This major may serve as training for graduate school or a job as an environmental scientist. Science, including environmental science, is centered on application, not merely the learning of a body of facts. Therefore, an important option for science majors at Piedmont College is developing a working knowledge of the scientific method and the process of scientific inquiry. This prepares students to succeed in graduate school while ensuring that they receive an education that is comparable with the finest institutions in the country.

Environmental Science Curriculum Outline

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Environmental Science Major

Subtotal: 64-77

Biology

BIOL 1101	General Biology I	3
BLAB 1101	General Biology Lab I	1
BIOL 1102	General Biology II	3
BLAB 1102	General Biology Lab II	1
BIOL 3200	General Microbiology	4

BIOL 4700	Ecology	4	
			Subtotal: 16
Business Administration			
BUSA 1210	Principles of Economics	3	
			Subtotal: 3
Chemistry			
CHEM 1101	General Chemistry I	3	
CLAB 1101	General Chemistry Lab I	1	
CHEM 1102	General Chemistry II	3	
CLAB 1102	General Chemistry Lab II	1	
CHEM 2351	Organic Chemistry I	4	
CHEM 3322	Instrumental Analysis	4	
			Subtotal: 16
Environmental Science			
ENVS 2070	Environmental Science	3	
ENVS 3990	Philosophy and Methodology of Science	3	
ENVS 4950	Science Seminar	1	
Students must choose one of the following courses:			
ENVS 4980	Senior Research	3	
ENVS 4981	Senior Library Research	2	
ENVS 4989	Honors Senior Research	3	
			Subtotal: 6-10
Geology			
GEOL 1101	Physical Geology	3	
GLAB 1101	Physical Geology Lab	1	
GEOL 3100	Hydrology	3	
			Subtotal: 7
Geographical Information Systems			
ENVS 2200	Introduction to Geographical Information Systems	3	
ENVS 3300	Geographical Information Systems Applications	3	
			Subtotal: 6
Philosophy			
PHIL 3325/RELG 3325	Environmental Ethics	3	
			Subtotal: 0-3
Mathematics/Physics			
MATH 2450	Calculus I	4	
PHYS 2110	General Physics I	4	
PHYS 2120	General Physics II	4	
			Subtotal: 9-12
Science			
<i>Students must choose two of the following courses:</i>			
BIOL 3050	Current Topics in Environmental Biology	2	
CHEM 3050	Current Topics in Environmental Chemistry	2	
GEOL 3050	Current Topics in Environmental Geology	2	
			Subtotal: 4
General Electives			
			Subtotal: 9

BIOL 1101, BLAB 1101, BIOL 1102, BUSA 1210, CHEM 1101, CLAB 1101, CHEM 1102, ENVS 2070, PHIL 3325, MATH 2450, PHYS 2110, PHYS 2120: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, environmental science majors may have up to 9 additional hours to use for electives.

Subtotal: 120

ENVIRONMENTAL SCIENCE, MINOR

A minor in environmental science requires four courses (18-21 hours) per the following:

Required (13 hours)

BIOL 1101	General Biology I	3
BLAB 1101	General Biology Lab I	1
BIOL 1102	General Biology II	3
BLAB 1102	General Biology Lab II	1
ENVS 2070	Environmental Science	3
BIOL 3050	Current Topics in Environmental Biology	2

Choose two: (5-8 hours)

ENVS 3650	Comparative Physiology	4
BIOL 4700	Ecology	4
CHEM 3050	Current Topics in Environmental Chemistry OR	2
GEOL 3050	Current Topics in Environmental Geology	2
GEOL 2210	Environmental Geology	3
GEOL 3100	Hydrology	3
CHEM 3322	Instrumental Analysis	4

HONORS PROGRAM IN ENVIRONMENTAL SCIENCE

The Honors Program in environmental science allows academically qualified students to delve deeper into the scientific experience and to better prepare for post-graduate education by conducting independent research. To that end, students who are in the Honors Program are required to take ENVS 4989 (Honors Senior Research) and ENVS 4999 (Honors Thesis) in addition to their major requirements. Honors students also take ENVS 4959 (Honors Science Seminar) instead of ENVS 4950 (Science Seminar). Students having a GPA of 3.0 or better may apply for entry into the Honors Program during their junior year. Those with a GPA of 3.5 or better are guaranteed acceptance. Students in the Honors Program receive scholarship money as well as recognition upon graduation that they graduated with Honors in Science.

CAREER OPTIONS

Careers in environmental science are available to teachers, researchers, laboratory personnel, government employees, health care professionals, industrial technologists, and scientific writers and illustrators. Others may use an undergraduate degree in environmental science as a foundation for professional training in disciplines such as medicine and environmental law.

FORENSIC SCIENCE (FRSC)

Forensic science is the application of scientific principles and methods to assist criminal and civil investigations and litigations. The Forensic Science undergraduate major is an interdisciplinary major that draws from knowledge and expertise from multiple academic units that are relevant to forensic science. The major provides students with a strong background in the biological, physical, and social sciences as the foundation of forensic science, crime scene investigation, and evidence collection and preservation. Students are educated on the role of forensic scientists in the criminal justice system and how scientific evidence can be used in that system.

Course Descriptions (p. 165)

FORENSIC SCIENCE, B.S.

Forensic Science Curriculum Outline

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1	
			Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Forensic Science Major**Subtotal: 64-76****Accounting**

ACCT 2010	Accounting I	3	
			Subtotal: 3

Biology

BIOL 1101	General Biology I	3	
BLAB 1101	General Biology Lab I	1	
BIOL 2100	Human Anatomy and Physiology I	4	
BIOL 2110	Human Anatomy and Physiology II	4	
			Subtotal: 12

Chemistry

CHEM 1101	General Chemistry I	3	
CLAB 1101	General Chemistry Lab I	1	
CHEM 1102	General Chemistry II	3	
CLAB 1102	General Chemistry Lab II	1	
CHEM 2351	Organic Chemistry I	4	
			Subtotal: 5-12

Criminal Justice

CRJU 1290	Introduction to Criminal Justice	3	
CRJU 2335	Criminal Investigation	3	
			Subtotal: 6

English

ENGL 3335	Technical Writing	3	
			Subtotal: 3

Forensic Science

FRSC 1101	Criminalistics	3	
FRSC 3100	Crime Scene Investigation	3	
FRSC 3200	Fingerprint Identification & Classification	3	
FRSC 4200	Forensic Death Investigation	3	
FRSC 4750	Internship in Forensic Science	1-3	
FRSC 4900	Forensic Science Senior Research and Seminar	1	
			Subtotal: 14-16

Graphic Design

GRDS 2260	Digital Photography	3	
			Subtotal: 3

Mathematics

MATH 2100	Elementary Statistics	3	
MATH 2450	Calculus I	4	
			Subtotal: 4-7

Physics

PHYS 2110	General Physics I	4	
PHYS 2120	General Physics II	4	
			Subtotal: 8

Political Science

POSC 3370	Adjudication Processes	3	
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SOSC 3310

Research Methods

3

Subtotal: 6**General Electives****Subtotal: 9**

CHEM 1101, CLAB 1101, CHEM 1102, MATH 2100, MATH 2450, PHYS 2110, PHYS 2120: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, forensic science majors may have up to 12 additional hours to use for electives.

Subtotal: 120

FRENCH (FREN)**Faculty**

Learning a language other than one's own is an opening on the world, on the beliefs and practices expressed in that second language. As our Earth shrinks to a global village, knowledge of foreign languages becomes increasingly valuable. Translation can never adequately substitute for direct communication in another language.

The best reason for language study is that the mental habits it teaches give a heightened awareness of the linguistic bias of one's own thinking and of the power and limitations of language itself.

French influence—cultural, scientific, technological, economic and political—is felt in many parts of the world. French is spoken not only in Europe but in North and South America, the Caribbean, the South Pacific and Indian Ocean areas and Africa. A great wealth of human experience is uniquely portrayed in the literary and artistic works of France. The study of French history is essential to an understanding of Western civilization.

Students entering Piedmont with substantial language ability (at least of two years of high school French with at least a "B" average) and/or established placement from another institution may complete only the 1102-level course to fulfill the foreign language general education requirement. Additionally, if a student chooses to take a 2000-level or higher course in a foreign language and successfully completes the course, the foreign language requirement is considered satisfied.

Course Descriptions (p. 165)

FRENCH, MINOR

A minor in French studies consists of 12 hours (four courses) beyond FREN 1102.

CAREER OPTIONS

Students who concentrate in a foreign language find this area a valuable preparation for several careers. Some of the leading opportunities are found in teaching, government service, international commerce, translation and oral interpretation. Students majoring in other disciplines, especially those related to areas of human service, recognize that foreign language competency often opens opportunities and strengthens employment possibilities.

GERMAN (GRMN)**Faculty**

Assistant Professor Schulte

Learning a language other than one's own is an opening on the world, on the beliefs and practices expressed in that second language. As our Earth shrinks to a global village, knowledge of foreign languages becomes increasingly valuable. Translation can never adequately substitute for direct communication in another language.

The best reason for language study is that the mental habits it teaches give a heightened awareness of the linguistic bias of one's own thinking and of the power and limitations of language itself.

America has numerous ties, social and cultural, with German-speaking nations: Germany, Austria and Switzerland. A knowledge of German is invaluable for the study of European culture in philosophy, literature and the fine arts. It is also practical for all those engaged in international commerce, scientific research and technology.

Students entering Piedmont with substantial language ability (at least of two years of high school German with at least a “B” average) and/or established placement from another institution may complete only the 1102-level course to fulfill the foreign language general education requirement. Additionally, if a student chooses to take a 2000-level or higher course in a foreign language and successfully completes the course, the foreign language requirement is considered satisfied.

Course Descriptions (p. 165)

GERMAN, MINOR

A minor in German studies consists of 15 hours (five courses) beyond GRMN 1102.

CAREER OPTIONS

Students who concentrate in a foreign language find this area a valuable preparation for several careers. Some of the leading opportunities are found in teaching, government service, international commerce, translation and oral interpretation. Students majoring in other disciplines, especially those related to areas of human service, recognize that foreign language competency often opens opportunities and strengthens employment possibilities.

HISTORY (HIST)

Faculty

Professors Pleysier and White
Assistant Professor Franklin

The study of history leads to the understanding and appreciation of the heritages of humans. Since the time when human beings invented writing, they have left records of their understanding of the world and the events in their lives and how they felt about them. We can use what we learn about the experiences of people who lived before us to help understand, if not solve, problems we face today. Though the modern world is quite different from the societies in which our ancestors lived, the knowledge of their accomplishments and failures is an important standard by which we can measure the quality of our own lives and the success of our social arrangements.

At least part of the answer to any question about the contemporary world can come from studying the circumstances that preceded it. The problem is to find those past events, forces, arrangements, ideas, or facts that had the greatest influence on the present subject being studied. The more we understand about these past influences, the more we know about the present subject to which they are related. In a world that is changing at an unprecedented pace, accompanied by increasing complexity and interdependence, such knowledge offers a major tool in combating the error of total present-mindedness that obscures the true nature of the question being studied. Viewed in this manner, history is an essential tool to fully comprehend and appreciate today’s world.

The history faculty has certain major objectives it strives to accomplish through its curriculum. First, and of paramount importance, is the student’s acquisition of historical knowledge. The number and content of courses offered, coupled with the flexible structure of history major and minor requirements, enable students to pursue a wide range of topics. Second, history students are exposed to an enormous amount of material which they learn to organize into meaningful categories of information. Third, students of history must be able to communicate effectively in both oral and written forms. Finally, the constant improvement of student reading ability is also of major importance. Text assignments, critiques of journal articles, research for term papers and book reviews permit students to use and strengthen these essential skills.

Course Descriptions (p. 165)

HISTORY, B.A.

History Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

History Major

Subtotal: 36

History Foundations

HIST 1111	World History to the Mid-17th Century	3
HIST 1112	World History since the Mid-17th Century	3
HIST 2212	Pivotal Moments in Recent U.S. History	3
HIST 2280	Introduction to Historiography	3
HIST 4480	Historiography	3
POSC 1101	American Government	3

Subtotal: 18

History Electives

Students must choose six upper level history electives:

The elective courses must be upper division (3000-4000) courses in history. The selection of these six upper division courses by the student is done in consultation with his or her academic advisor. The student is free to choose which courses will be studied, for there is no established sequence of courses that must be taken.

Subtotal: 18

General Electives

Subtotal: 43

HIST 1111, HIST 1112, HIST 2212, POSC 1101: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, history majors may have up to 43 additional hours to use for electives.

Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

HISTORY EDUCATION, B.A.

History Education Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

History Education Major

Subtotal: 78-84

History Education Foundations

EDUC 3306	Economics in the 6-12 Classroom	3
EDUC 3333	Geography in the P-12 Classroom	3
HIST 1111	World History to the Mid-17th Century	3
HIST 1112	World History since the Mid-17th Century	3
HIST 2212	Pivotal Moments in Recent U.S. History	3
HIST 2280	Introduction to Historiography	3
HIST 3301	History of the United States to 1836	3
HIST 3302	History of the United States, 1836-1912	3
HIST 3330	History of Georgia	3
POSC 3315	Georgia Politics	3

POSC 3340	Political Ideologies	3
POSC 3350	Governmental Institutions	3

Students must choose of the following courses in non-Western non-European history:

HIST 3326	History of African Civilizations	3
HIST 3340	Latin America	3
HIST 3350	Russia/Soviet Union	3
HIST 3380	The Rise of Modern China	3
HIST 3390	Modern Southeast Asia	3
HIST 4490	Special Topics I	3

Subtotal: 33-39**Teacher Certification**

EDUC 1199	Introduction to Education	3
EDUC 2250	Media and Technology for Educators	3
EDUC 2251	Professional Practice I	1
EDUC 3111	Professional Practice II	1
EDUC 3151	Professional Practice III	1
EDUC 3355	Exceptional Children	3
EDUC 4497	Classroom Management	3
EDSE 3301	Methods in Secondary Education	3
EDSE 3334	Social Studies Methods, 6-12	3
ENGL 4440	Reading and Writing in the Content Areas	3
PSYC 3311	Psychology of Adolescence	3

Subtotal: 27**Apprenticeship Sequence**

EDSE 4400	Facilitating Learning and Assessment I	1
EDSE 4401	Facilitating Learning and Assessment I II	1
EDSE 4498	Internship I	3
EDSE 4499	Internship II	9

Subtotal: 18**General Electives - None Required**

HIST 1111, HIST 1112, HIST 2212: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major.

Subtotal: 125

Students who meet the qualifications for Fast Track Admission in history are to refer to the Graduate Studies section of the Piedmont College Catalog.

NOTICE: GACE II must be passed prior to Apprentice Teaching II.

HISTORY, MINOR

A minor in history requires 15 hours of upper division (3000-4000) course work. Selection of these courses is dictated only by the interest of the student.

CAREER OPTIONS

Typical occupations open to undergraduate history majors include such diverse fields as archival manager, genealogist, historical preservation specialist, museum curator, historic site interpreter or supervisor, consultant and/or researcher for government or private sector corporations, educational administration, and teacher of history/social studies at the secondary (6-12) level.

Many history majors enter the business world upon graduation and rise to positions of management responsibility. Recent graduates are currently executives in industrial, commercial, insurance and banking corporations. Graduate school or professional school education is another option.

INTERDISCIPLINARY STUDIES (IDIS)

Faculty

Assistant Professor Jacobs

The Interdisciplinary Studies Program at Piedmont College offers a B.A. and a B.S. in Interdisciplinary Studies; a B.A. in Art Therapy; a B.A. in International Studies; a B.A. in Leadership Studies; and minors in Women's Studies and Film Studies.

Course Descriptions (p. 165)

INTERDISCIPLINARY STUDIES, B.S.

The B.A. and B.S. in interdisciplinary studies are the only majors that allow students to structure their own program of study by selecting thematically related courses from three departments across the curriculum. Those students interested in such a program and with at least a 2.5 GPA may apply, with the help of academic advisors from areas of interest for the IDIS major. Ordinarily they will apply before they have completed 60 hours of course work, applying only up to 21 hours of previously taken courses to the IDIS major. Upon admission they will work with an academic advisor and the director of interdisciplinary studies to design their own interdisciplinary major.

While the program is housed in the School of Arts and Sciences, it is open to all Piedmont students who meet the admissions requirements. Programs across schools are encouraged.

Bachelor of Arts or Bachelor of Science

Program of Study

(Choice of B.A. or B.S. will be determined by the theme of the proposed program.)

In addition to completing all general education requirements for the B.A. or B.S. degree and other graduation requirements of Piedmont College, students majoring in interdisciplinary studies must receive at least a C in the approved major courses which will total 42-48 credit hours, including the capstone course, typically IDIS 4499.

Career Options

A Bachelor of Arts or Bachelor of Science degree in interdisciplinary studies provides training in critical thought and writing. Because it demands independence and creativity, students with this major are attractive to employers in business, non-profit organizations, and many other careers where flexibility and problem-solving are required. Students preparing for professional or graduate school should work carefully with their academic advisor to ensure that all admissions requirements are met. IDIS majors often stand out in admissions competitions as individuals with unusual and interesting backgrounds.

Course Descriptions (p. 165)

Interdisciplinary Studies Curriculum Outline

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Interdisciplinary Major

Content must be spread across at least 3 disciplines with no more than 21 credit hours in any one discipline. At least 24 credit hours must be number 3000 or above. The capstone course listed below must be a part of the 42-48 credit hours.

IDIS 4499	Interdisciplinary Capstone Course	3
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Subtotal: 42-48

General Electives**Subtotal: 19-25**

Subtotal: 120

INTERDISCIPLINARY STUDIES, B.A.

The B.A. and B.S. in interdisciplinary studies are the only majors that allow students to structure their own program of study by selecting thematically related courses from three departments across the curriculum. Those students interested in such a program and with at least a 2.5 GPA may apply, with the help of academic advisors from areas of interest for the IDIS major. Ordinarily they will apply before they have completed 60 hours of course work, applying only up to 21 hours of previously taken courses to the IDIS major. Upon admission they will work with an academic advisor and the director of interdisciplinary studies to design their own interdisciplinary major.

While the program is housed in the School of Arts and Sciences, it is open to all Piedmont students who meet the admissions requirements. Programs across schools are encouraged.

Bachelor of Arts or Bachelor of Science**Program of Study**

(Choice of B.A. or B.S. will be determined by the theme of the proposed program.)

In addition to completing all general education requirements for the B.A. or B.S. degree and other graduation requirements of Piedmont College, students majoring in interdisciplinary studies must receive at least a C in the approved major courses which will total 42-48 credit hours, including the capstone course, typically IDIS 4499.

Career Options

A Bachelor of Arts or Bachelor of Science degree in interdisciplinary studies provides training in critical thought and writing. Because it demands independence and creativity, students with this major are attractive to employers in business, non-profit organizations, and many other careers where flexibility and problem-solving are required. Students preparing for professional or graduate school should work carefully with their academic advisor to ensure that all admissions requirements are met. IDIS majors often stand out in admissions competitions as individuals with unusual and interesting backgrounds.

Course Descriptions (p. 165)

Interdisciplinary Studies Curriculum Outline**Bachelor of Arts Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Interdisciplinary Major

Content must be spread across at least 3 disciplines with no more than 21 credit hours in any one discipline. At least 24 credit hours must be number 3000 or above. The capstone course listed below must be a part of the 42-48 credit hours.

IDIS 4499	Interdisciplinary Capstone Course	3
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Subtotal: 42-48**General Electives****Subtotal: 19-25**

Subtotal: 120

ART THERAPY, B.A.

The Art Therapy major prepares students for entry into graduate counseling programs. Students will develop a psychology background and learn ways to use their artistic skills to treat people with mental, developmental, emotional, cognitive, or physical problems.

Art Therapy Curriculum Outline**Bachelor of Arts Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Art Therapy Major**Subtotal: 58-67****Art Foundations**

ART 1120	Drawing I	3
ART 1130	Two-Dimensional Design	3
ART 1140	Three-Dimensional Design	3
ART 2200	Drawing II	3
ART 2270	Painting I	3

Subtotal: 15**Studio Courses**

Select four courses from photography, ceramics, sculpture, drawing, painting, and graphic design.

Subtotal: 12**Art History**

ART 2301	Art History: Prehistoric to Renaissance	3
ART 2302	Art History: Renaissance to Present	3
ART 4430	Art Criticism	3

Subtotal: 6-9**Senior Exhibition/Capstone**

ART 4450	Senior Capstone Seminar and Exhibition	3
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Subtotal: 3**Education**

EDUC 3355	Exceptional Children	3
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Subtotal: 3**Psychology**

PSYC 1101	General Psychology	3
PSYC 2201	Psychological Inquiry and Writing	1
PSYC 2202	Introduction to Research Methods and Statistics	3
PSYC 2290	Human Growth and Development	3
PSYC 3381	Theories of Personality	3
PSYC 3382	Introduction to Counseling	3
PSYC 4415	Abnormal Psychology	3
PSYC 4441	Internship in Human Services	1-3
PSYC 4490	Independent Research Project	3

Subtotal: 20-25**General Electives****Subtotal: 15**

ART 2301, ART 2302, PSYC 1101, PSYC 2290: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, art therapy majors may have 15 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

Career Options

A Bachelor of Arts degree in Art Therapy will prepare students for graduate programs in art therapy, psychology, or social work. Student will also be prepared for entry level position in careers in educational and therapeutic settings.

INTERNATIONAL STUDIES, B.A.

Students will develop an understanding of the language and culture of one geographic area of the world, as well as an understanding of the political climate, economics, and history of that region as they complete the 45-hour major.

International Studies Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

International Studies Major

Subtotal: 39-51

Anthropology

ANTH 2250	Cultural Anthropology	3
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Subtotal: 0-3

Business Administration

BUSA 4030	Management Information Systems	3
BUSA 4990/ACCT 4990	Special Topics	1-3
BUSA 1210	Principles of Economics	3

Subtotal: 6-9

Mass Communications

MCOM 1500	Mass Media Survey	3
MCOM 4200	Telecommunications & Globalization	3

Subtotal: 6

Political Science

POSC 3360	International Relations	3
POSC 4405	Global Issues	3

Subtotal: 6

Interdisciplinary Studies

IDIS 4499	Interdisciplinary Capstone Course	3
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Subtotal: 3

Modern Languages

Students must choose one of the following language concentrations:

FREN 1101	Elementary French I	3
FREN 1102	Elementary French II	3
FREN 2201	Intermediate French I	3
FREN 2202	Intermediate French II	3

FREN 3360	Introductory International Business: Language and Culture	3
GRMN 1101	Elementary German I	3
GRMN 1102	Elementary German II	3
GRMN 2201	Intermediate German I	3
GRMN 2202	Intermediate German II	3
GRMN 3360	Introductory International Business: Language and Culture	3
JPNS 1101	Elementary Japanese I	3
JPNS 1102	Elementary Japanese II	3
JPNS 2201	Intermediate Japanese I	3
JPNS 2202	Intermediate Japanese II	3
JPNS 3360	Introductory International Business: Language and Culture	3
SPAN 1101	Elementary Spanish I	3
SPAN 1102	Elementary Spanish II	3
SPAN 2201	Intermediate Spanish I	3
SPAN 2202	Intermediate Spanish II	3
SPAN 3360	Introductory International Business: Language and Culture	3

Subtotal: 9-15**English***Students must choose one of the following courses:*

ENGL 4402	Medieval Literature	3
ENGL 4426	Twentieth-Century British Literature	3
ENGL 4401	Seminar in World Literature	3
ENGL 4429	Multicultural American Literature	3

Subtotal: 3**History***Students must choose one of the following courses:*

HIST 3310	Twentieth Century Europe	3
HIST 3320	History of England to 1714	3
HIST 3340	Latin America	3
HIST 3390	Modern Southeast Asia	3
HIST 4430	History of Spain	3
HIST 4440	Hitler's Germany	3

Subtotal: 3**Culture***Students must choose one of the following courses:*

IDIS 3305	Cultural Explorations	3
SPAN 3300	Spanish Culture and Civilization	3

Subtotal: 3**General Electives****Subtotal: 34**

ANTH 2250, BUSA 1210, FREN 1101, FREN 1102, GRMN 1101, GRMN 1102, JPNS 1101, JPNS 1102, SPAN 1101, SPAN 1102: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, international studies majors may have 34 additional hours to use for electives.

Subtotal: 120

Career Options

A Bachelor of Arts degree in International Studies major will provide students with the necessary preparation to live and work in globally connected world whether in the business arena, in government agencies, or for non-profit organizations.

LEADERSHIP STUDIES, B.A.

Leadership Studies is a major designed for students who have finished some college or who have earned some college credit and would now like to earn a bachelor's degree. Most students pursuing this major are already working and need the bachelor's degree to move upward within their organization. For this reason, the major requires students to complete two concentrations so the student can gain knowledge and expertise relative to his/her current position. Concentrations are available in Communications, Human Behavior, and Organizational Leadership:

Communications

Students develop an understanding of communication theory and how to translate this to practice. Emphasis is on speaking and writing skills, as well as experience in developing media literacy. Competencies in critical thinking and problem-solving are explored throughout the program.

Human Behavior

Students will focus on personal development through an understanding of world views grounded in psychological and sociological theories which help to explain human behavior. Students will be able to apply human behavior principles to their personal and professional lives.

Organizational Leadership

Students will examine leadership styles and models, develop leadership potential, and increase critical and strategic thinking abilities.

Leadership Studies Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Leadership Studies Major

Subtotal: 36-39

Leadership Studies Foundations

BUSA 4550	Organizational Behavior and Leadership Theories	3
ENGL 3335	Technical Writing	3
SOCI 2210	Social and Cultural Problems	3
IDIS 3300	Cultural Creativity	3
IDIS 4499	Interdisciplinary Capstone Course	3

Subtotal: 15

Concentrations

Students must choose two of the following concentrations:

Subtotal: 24

Communications Concentration

MCOM 1500	Mass Media Survey	3
MCOM 3300	Media, Society, and Technology	3
MCOM 3800	Media Management	3
SOCI 3375	Social and Cultural Change	3

Organizational Leadership Concentration

ACCT 2010	Accounting I	3
ACCT 2020	Accounting II	3
BUSA 3010	Management	3
BUSA 3700	Project Management	3

Human Behavior Concentration

BUSA 3310	Organizational Behavior	3
PSYC 2290	Human Growth and Development	3
PSYC 3303	Social Psychology	3
SOCI 3375	Social and Cultural Change	3

General Electives**Subtotal: 37**

SOCI 2210: This course also satisfies general education requirements and appear in the number of hours for both general education and the major; in reality, leadership studies majors may have up to 37 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

FILM STUDIES, MINOR

Interdisciplinary Studies offers a minor in Film Studies, through which students will develop an understanding of the formal and aesthetic qualities of the cinematic art, as well as an appreciation for the historical, cultural, and political contexts in which it is produced and consumed.

The minor in Film Studies requires a minimum of 15 hours that must include

ENGL 2222	Introduction to Film	3
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with the rest selected from the following courses:

MCOM 1500	Mass Media Survey	3
MCOM 2400	Video Production I	3
ENGL 3322	Film and Literature	3
SOCI 3355	Film as Sociology	3
SPAN 4435	Spanish Cinema	3
GRMN 4435	German Cinema	3
ENGL 4481	Seminar in Film	3

SOCIAL JUSTICE, MINOR

The Interdisciplinary Studies Program offers a minor in Social Justice. Students completing this minor will be able to analyze how demographic factors such as gender, race, ethnicity, and/or social class affect the lives of socially disadvantaged people; explain the ways that social institutions and governments influence the lives of socially disadvantaged people; and work effectively with the socially disadvantaged

The social justice minor requires a minimum of 15 hours from the following areas as indicated.**Two courses in contemporary gender, racial/ethnic, social inequality and/or social class issues, and both courses cannot come from the same prefix (PHIL/RELG is one prefix) (6 hours)**

ANTH 2250	Cultural Anthropology	3
BUSA 4550	Organizational Behavior and Leadership Theories	3
RELG 3305/PHIL 3305	Ethics	3
RELG 3306/PHIL 3306	Applied Ethics	3
RELG 3325/PHIL 3325	Environmental Ethics	3
PSYC 3303	Social Psychology	3
SOCI 2210	Social and Cultural Problems	3

SOCI 3304	Feminist Theories	3
SOCI 3357	Sociology of Gender and Sexuality	3
SOCI 4410	Race and Ethnic Relations	3
SOCI 3320	Structured Social Inequality	3

One course in government institutions (3 hours)

POSC 1101	American Government	3
POSC 4405	Global Issues	3

One course in working with the socially disadvantaged (3 hours)

EDUC 3355	Exceptional Children	3
EDUC 4401	The Multicultural Classroom	3
PSYC 3360	Sensation and Perception	3
PSYC 4415	Abnormal Psychology	3

One course practicum with a local social service agency (3 hours)

PSYC 4441	Internship in Human Services	1-3
SOSC 3398	Internship	1-6

Piedmont College retains relationships with a number of non-profit and human services organizations in and around both campuses. Internship opportunities (for credit or for experience) are available at most of these organizations.

WOMEN'S STUDIES, MINOR

The Interdisciplinary Studies Program also offers a minor in women's studies, which will heighten awareness of women's lives, issues, accomplishments, and contributions within the context of courses in literature, psychology, art, history, sociology, and political science.

The minor in women's studies requires a minimum of 15 hours one of which must be

SOCI 3304	Feminist Theories	3
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The remaining 12 hours are chosen from the following:

PSYC 2260	Psychology of Women	3
ENGL 2221	Women Writers	3
PSYC 4441	Internship in Human Services	1-3
SOSC 3398	Internship	1-6
HIST 3305	History of Women	3
SOCI 3357	Sociology of Gender and Sexuality	3
SOCI 4450	Family Violence	3

*See course descriptions in the appropriate sections of ENGL, HIST, POSC, PSYC, and SOCI.

Career Options

A women's studies minor is useful for training in the professions: business, education, law, health sciences, social work, policy studies, or management. It also provides appropriate groundwork for graduate study in the social sciences and the humanities. On the personal level, course work in women's studies enhances the human potential of both women and men by questioning and redefining societal values.

JAPANESE (JPNS)

Learning a language other than one's own is an opening on the world, on the beliefs and practices expressed in that second language. As our Earth shrinks to a global village, knowledge of foreign languages becomes increasingly valuable. Translation can never adequately substitute for direct communication in another language.

The best reason for language study is that the mental habits it teaches give a heightened awareness of the linguistic bias of one's own thinking and of the power and limitations of language itself. The Japanese language, in addition to its cultural/historical legacy, offers the student direct participation in the scientific, technological and economic changes of contemporary Japan.

Students entering Piedmont with substantial language ability (at least of two years of high school German with at least a "B" average) and/or established placement from another institution may complete only the 1102-level course to fulfill the foreign language general education requirement. Additionally, if a student chooses to take a 2000-level or higher course in a foreign language and successfully completes the course, the foreign language requirement is considered satisfied.

Career Options

Students who concentrate in a foreign language find this area a valuable preparation for several careers. Some of the leading opportunities are found in teaching, government service, international commerce, translation and oral interpretation. Students majoring in other disciplines, especially those related to areas of human service, recognize that foreign language competency often opens opportunities and strengthens employment possibilities.

Course Descriptions (p. 165)

MASS COMMUNICATIONS (MCOM)

Faculty

Professors Moss and Van Cantfort
Associate Professor Arbitter
Assistant Professors Cardillo, Dennis

The rapidly evolving world of mass media affects our lives on a daily basis. New technologies are creating a global network of ideas, information and industries. The Mass Communications Department develops student leaders who are ethically and technologically adept storytellers with broad-based media skills. The department's goals are to: (1) have students think critically about the concepts and practices of the mass communications field; and (2) prepare students to enter professional practice.

Course Descriptions (p. 165)

MASS COMMUNICATIONS, B.A.

Mass Communications Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Mass Communications Major

Subtotal: 46

Mass Communications Foundations

MCOM 1500	Mass Media Survey	3
MCOM 2200	Media Writing I	3
MCOM 2300	Media Writing II	3
MCOM 2400	Video Production I	3
MCOM 2500	Audio Production I	3
MCOM 3200	Web/Social Media Design	3
MCOM 3700	Advertising and Communications	3
MCOM 3800	Media Management	3
MCOM 3850	Mass Communication Theory and Research	3
MCOM 4200	Telecommunications & Globalization	3
MCOM 4300	Communications Law and Ethics	3
MCOM 4900	Professional Development in Mass Communications	1
MCOM 4999	Advanced Studies in Mass Media	3

Subtotal: 37

Mass Communications Electives

Students must choose 9 credit hours from the following courses:

MCOM 2250	Copyediting and Design	3
MCOM 2275	Photojournalism	3
MCOM 2350	Advanced Writing and Reporting	3
MCOM 3001-3010	Practicum	1
MCOM 3050	Mass Media Internship	3
MCOM 3100	Special Topics in Mass Media	3
MCOM 3150	Entertainment Television	3
MCOM 3250	Advanced Technologies for Media	3
MCOM 3300	Media, Society, and Technology	3
MCOM 3400	Video Production II	3
MCOM 3450	Editing & Graphics for TV and Film	3
MCOM 3500	Audio Production II	3
MCOM 3600	Announcing for Radio and TV	3
MCOM 3650	Sportscasting	3
MCOM 3750	Electronic Media Sales and Programming	3
MCOM 3900	Public Relations and Branding	3

Subtotal: 9

Notice: MCOM 3001-3010: Practicums can be repeated with approval of a mass communications faculty advisor. The practicum requires 30 hours of documented work and a paper.

Electives**Subtotal: 27**

Subtotal: 120

SPORTS COMMUNICATIONS, B.A.

Sports communication is the fastest-growing segment of the mass communications field. The sports communication major takes students beyond team scores and statistics. It requires that students read and analyze sports in new ways, critically examining the role of sports in society and considering such areas as gender, race, and public policy in the context of sports. Sports communications encompasses some of the best in journalism, broadcasting, marketing, advertising, public relations and new media.

Sports Communications Curriculum Outline**Bachelor of Arts Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Sports Communications Major**Subtotal: 46****Sports Communications Foundations**

MCOM 1600	Sports Communications and Society	3
MCOM 2200	Media Writing I	3
MCOM 2300	Media Writing II	3
MCOM 2400	Video Production I	3
MCOM 2500	Audio Production I	3
MCOM 3050	Mass Media Internship	3
MCOM 3200	Web/Social Media Design	3
MCOM 3650	Sportscasting	3

MCOM 4900	Professional Development in Mass Communications	1
MCOM 4999	Advanced Studies in Mass Media	3
BUSA 1210	Principles of Economics	3
BUSA 3200	Marketing	3
BUSA 4120	Sports Marketing	3

Subtotal: 37**Sports Communications Electives***Students must choose 9 credit hours from the following courses:*

BUSA 3340	Sports Economics	3
MCOM 3400	Video Production II	3
MCOM 3450	Editing & Graphics for TV and Film	3
MCOM 3500	Audio Production II	3
MCOM 3600	Announcing for Radio and TV	3
MCOM 3700	Advertising and Communications	3
MCOM 3900	Public Relations and Branding	3
MCOM 4300	Communications Law and Ethics	3
BUSA 3700	Project Management	3
HSCS 3440	Sport Psychology	3

Subtotal: 9**Electives**

Subtotal: 120

Subtotal: 27**MASS COMMUNICATIONS, MINOR**

Students majoring in other academic disciplines may elect to minor in mass communications.

The minor consists of 18 semester hours.**Students are required to take**

MCOM 1500	Mass Media Survey	3
MCOM 2200	Media Writing I	3
MCOM 2300	Media Writing II	3
MCOM 2400	Video Production I	3
MCOM 2500	Audio Production I	3

One course may be selected from

MCOM 3200	Web/Social Media Design	3
MCOM 3700	Advertising and Communications	3
MCOM 3800	Media Management	3
MCOM 4200	Telecommunications & Globalization	3
MCOM 4300	Communications Law and Ethics	3

CAREER OPTIONS

Graduates in mass communications are highly sought after by employers who are striving to keep up with the demands of mass media and global communications networks. Virtually any organization or corporation can utilize individuals with skills in mass communications. Specific areas of application include: journalism; radio, television and multimedia; public relations; Internet applications; advertising and promotion; website management; sales; and telecommunications. Piedmont College's internship program in mass communications opens the door for students to easily migrate from academia to industry.

MATHEMATICS (MATH)**Faculty**

Professors Hardy, Heydari, Nimmo, and Rogers
Associate Professors Edge and H. Menzel

Assistant Professor Berglund, Torrance

Mathematics is a method of reasoning used to test truths. Some scholars define mathematics as observation, experiment, discovery and conjecture. Mathematics is described as a science of order or a science of patterns and relationships. As a science of patterns, mathematics is a mode of inquiry that reveals fundamental truths about the order of our world. Mathematics is the language in which nature speaks. In today's technological world it is also an apt language for industry, business and commerce.

From the beginning of the ancient cultures, the language of mathematics has been used in measurement, counting, and geometry. Arithmetic enabled trades and financial transactions.

In recent centuries, mathematics provided the intellectual and inferential framework for the growth of science and technology. At the end of the 20th century, with the support of computers and worldwide digital communication, business and industry depend increasingly on modern mathematical and statistical analysis. These are the foundation disciplines of the natural, social and behavioral sciences.

Learning mathematics is a creative and active process of communication. A person engaged in mathematics gathers, discovers, creates and expresses facts and ideas about the patterns in natural phenomena. Instruction emphasizes that to know mathematics is to be engaged in a quest to understand and communicate, not merely to calculate. Laboratory work and fieldwork are necessary for a full understanding of mathematics. We study mathematics by classifying, explaining and describing patterns in all their manifestations.

Students who major or minor in mathematics have the opportunity to develop:

- Capabilities to communicate and understand the natural phenomena related to their physical or social environments,
- Ability to interpret everyday life problems through mathematical or logical representations,
- Knowledge of how to solve mathematical representations of real-world problems, and
- Ability to draw inferences by reasoning and to check the results of their mathematical representations for accuracy and validity.

Course Descriptions (p. 165)

MATHEMATICS, B.S.

SLO 1: Students will be able to identify and use appropriate mathematical proof techniques.

SLO 2: Students will be able to select the appropriate solution method for problems in various areas of mathematics.

SLO 3: Students will be able to communicate mathematical information.

SLO 4: Students will demonstrate competence in using Mathematica to solve problems and apply this knowledge to performing computer assisted experiments and explorations.

Mathematics Curriculum Outline

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Mathematics Major

Subtotal: 44-47

Mathematics Foundations

CSCI 1371	Computer Programming	3
MATH 2300	Discrete Mathematics	3
MATH 2450	Calculus I	4
MATH 2460	Calculus II	4
MATH 2470	Calculus III	4

MATH 2480	Introduction to Differential Equations	3
MATH 3550	Linear Algebra	3
MATH 4950	Directed Independent Research	3
MATH 4960	Senior Seminar	2

Subtotal: 26-29**Concentration**

Students must choose one of the following concentrations:

Subtotal: 18**Applied Math Concentration**

MATH 3300	Probability and Statistics	3
MATH 3500	Elementary Numerical Methods	3
MATH 4100	Mathematical Modeling	3
	Any MATH or PHYS 3000 level or higher courses which total 9 hours	9

Pure Math Concentration

MATH 3600	Abstract Algebra	3
MATH 4600	Real Analysis	3
MATH 4700	Complex Analysis	3
	Any MATH 3000 level or higher courses which total 9 hours	9

General Electives**Subtotal: 26**

MATH 2450: This course also satisfies general education requirements and appear in the number of hours for both general education and the major; in reality, mathematics majors may have up to 26 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

MATHEMATICS EDUCATION, B.S.

Piedmont's undergraduate secondary education program addresses the continuing shortage of highly qualified teachers in Georgia. Designed to prepare teachers who have more "hands-on" experience, the program enables candidates to observe and assist with teaching in 6-12th grade classrooms. Candidates also experience the impact that diversity has on schooling and consider the implications on teaching and learning. Candidates study and reflect upon the knowledge, skills, and dispositions (habits of mind) required for successful teachers—both in their college classes and during field work. Requiring a content major in the field of study, this program culminates in a full year Internship Teaching experience in area schools.

Students anticipating a career teaching mathematics in grades 6-12 may pursue either (a) the program beginning in the freshman year leading toward teacher certification at the undergraduate level, or (b) the Dual-Degree Program, leading to a master of arts in teaching (M.A.T.) secondary mathematics and recommendation for initial teacher certification at the graduate level.

Students may enter the teacher preparation program up to the first semester of the junior year. After that, the Dual-Degree Program is the only option.

In order to successfully complete this program, students must be admitted to the Teacher Education program and adhere to all of the requirements (p. 138). (Course descriptions (p. 165))

Mathematics Education Curriculum Outline**Bachelor of Science Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Mathematics Education Major**Subtotal: 81-84****Mathematics Foundations**

MATH 2100	Elementary Statistics	3
MATH 2300	Discrete Mathematics	3
MATH 2450	Calculus I	4
MATH 2460	Calculus II	4
MATH 2470	Calculus III	4
MATH 3550	Linear Algebra	3
MATH 3700	Geometry	3
MATH 4500	History and Development of Mathematics	3
MATH 4950	Directed Independent Research	3

Students must choose one of the following courses:

MATH 3600	Abstract Algebra	3
MATH 3400	Number Theory	3

Students must choose two of the following courses:

MATH 2480	Introduction to Differential Equations	3
MATH 3300	Probability and Statistics	3
MATH 3500	Elementary Numerical Methods	3
MATH 4100	Mathematical Modeling	3
MATH 4350	Advanced Studies in Mathematics	1-3
MATH 4600	Real Analysis	3
MATH 4700	Complex Analysis	3

Subtotal: 36-39**Teacher Certification**

EDUC 1199	Introduction to Education	3
EDUC 2250	Media and Technology for Educators	3
EDUC 2251	Professional Practice I	1
EDUC 3111	Professional Practice II	1
EDUC 3151	Professional Practice III	1
EDUC 3355	Exceptional Children	3
EDUC 4497	Classroom Management	3
EDSE 3301	Methods in Secondary Education	3
EDSE 3336	Math Methods, 6-12	3
ENGL 4440	Reading and Writing in the Content Areas	3
PSYC 3311	Psychology of Adolescence	3

Subtotal: 27**Apprenticeship Sequence**

EDSE 4400	Facilitating Learning and Assessment I	1
EDSE 4401	Facilitating Learning and Assessment I II	1
EDSE 4498	Internship I	3
EDSE 4499	Internship II	9

Subtotal: 18**General Electives - None Required**

MATH 2100, MATH 2450: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major.

Subtotal: 128

Students are required to take EDSE 3366 Practicum and Foundations in Secondary Education. MATH 1113 and MATH 2050 are strongly suggested as general electives not in the major.

Notice: GACE II must be passed prior to registration for Apprentice Teaching II.

MATHEMATICS, MINOR

A minor in mathematics requires a minimum of 18 hours (minimum of 5 courses) of course work to include:

MATH 2300	Discrete Mathematics	3
MATH 2450	Calculus I	4
MATH 2460	Calculus II	4
MATH 2470	Calculus III	4
MATH	Elective (numbered 3000 or above)	

CAREER OPTIONS

Some of the careers or areas of focus in graduate programs open to those who study mathematics are as follows:

- Applied mathematics: Some concentrations are analysis, physics, geophysics, fluid dynamics, probability theory, mathematical biology, parallel computing, numerical analysis and robotics.
- Actuary: Actuaries deal in mathematical probabilities, design insurance and pension programs, analyze and solve complex business and social problems. They can work for consulting firms, state and local governments and academic institutions.
- Computer-oriented positions: These include database management, systems analysis, and system design.
- Quality Control: There are numerous demands for managerial and quality control positions where sampling theory is used in government as well as in corporations.
- Industrial engineering and operations research: Most large corporations have operations research groups that are concerned with such parameters as costs, profits, and probabilities of various kinds of success or failure.
- Statistics: Opportunities exist in both government and private industry in a great variety of positions.
- Teaching: A good option if the student enjoys work in an educational environment.

MUSIC (MUSC)

Faculty

Professors Hinson, and Mellichamp
Associate Professors Price, and Ringwall
Assistant Professor Pilkington

From the earliest times, no civilization seems to have been without music in some form. Some cultures failed to develop pictorial art, and many have been without written language; but music, the universal form of communication, can be documented in virtually every society. Whether in primitive or in modern times, music has served some of mankind's basic needs. Across time and national boundaries, without regard to social class or political ideology, music speaks directly to the heart and to the emotions; it is truly the universal language.

Music study explores the development of this significant art form as it focuses on three major areas: fundamentals, analysis and performance.

The department of music offers courses in music theory, music history and literature, conducting, and in many areas of applied music. Opportunities are also provided for students to participate in performing ensembles.

Course Descriptions (p. 165)

MUSIC, B.A.

All music majors, with the exception of keyboard majors, are required to enroll in class piano every semester (MUSC 1171, MUSC 1172, MUSC 1173, MUSC 1174) until they have satisfied the departmental piano proficiency requirement. All keyboard majors must enroll in Piano Class V MUSC 1175 and pass an advanced piano proficiency exam. Majors are also required to attend recitals and concerts and satisfactorily complete a recital previously approved by the music faculty. Further information may be found in the Music Department Handbook.

In addition, all music majors must take the music theory placement exam. Contact the department of music for more information.

Music Curriculum Outline**Bachelor of Arts Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Music Major**Subtotal: 52-72****Music Theory**

MUSC 1100	Music Theory I	3
MUSC 1110	Aural Skills I	1
MUSC 1120	Music Theory II	3
MUSC 1130	Aural Skills II	1
MUSC 2100	Music Theory III	3
MUSC 2110	Aural Skills III	1
MUSC 2120	Music Theory IV	3
MUSC 2130	Aural Skills IV	1
MUSC 3240	Arranging	2

Subtotal: 18**Music History**

MUSC 3210	Music History	3
MUSC 3220	Music History	3
MUSC 3230	Music History	3

Subtotal: 9**Applied Music Lessons - Primary Instrument**

Students must choose at least six of the following courses:

MUSC 1910	Private Music Lessons	2
MUSC 1920	Private Music Lessons	2
MUSC 2910	Private Music Lessons	2
MUSC 2920	Private Music Lessons	2
MUSC 3910	Private Music Lessons	2
MUSC 3920	Private Music Lessons	2
MUSC 4910	Private Music Lessons	2
MUSC 4920	Private Music Lessons	2

Subtotal: 12**Pedagogy - Primary Instrument**

MUSC 4500	Applied Pedagogy	3
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Subtotal: 3**Piano Class**

MUSC 1171	Piano Class I	1
MUSC 1172	Piano Class II	1
MUSC 1173	Piano Class III	1
MUSC 1174	Piano Class IV	1
MUSC 1175	Piano Class V	1

Subtotal: 1-5

MUSC 1175: required for keyboard majors

All music majors must pass the Piano Proficiency Exam.

Recital Attendance

MUSC 1900	Recital Attendance	
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MUSC 1900: Required every semester. Students must pass a minimum number of semesters of Recital Attendance to graduate. See the Music Department Handbook for more information.

Capstone Course

MUSC 4990	Senior Recital	3
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Subtotal: 3**Concentration**

Students must choose one of the following concentrations:

Subtotal: 6-23**Church Music Concentration****Music Courses**

MUSC 2300	Music in the Christian Church	3
MUSC 3430	Choral Literature	2
MUSC 3480	Beginning Conducting	2
MUSC 4480	Advanced Conducting	2
MUSC 4930	Church Music Internship I	1
MUSC 4940	Church Music Internship II	1

Subtotal: 11**Religion Electives**

	Religion electives 2000 level or higher	12
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Subtotal: 12**Music Performance Concentration****Music Electives**

Students must choose at least three of the following courses

MUED 2500	Explorations in Music Educations	2
MUED 3500	Instrumental Techniques	2
MUED 4100	Music Methods, B-8	3
MUED 4200	Music Methods, 6-12	3
MUSC 2300	Music in the Christian Church	3
MUSC 3480	Beginning Conducting	2
MUSC 3440	Diction I	2
MUSC 3450	Diction II	2
MUSC 4480	Advanced Conducting	2
MUSC 4750	Special Topics in Music	3

Subtotal: 6-9

MUSC 4750: May be repeated once for credit.

Music Performance Concentration - Master of Arts in Teaching Track**Music and Education Courses**

EDUC 3355	Exceptional Children	3
MUED 3500	Instrumental Techniques	2
MUSC 3480	Beginning Conducting	2
MUSC 4480	Advanced Conducting	2

Subtotal: 9

This concentration is strongly suggested for those students wishing to pursue the Master of Arts in Teaching program.

General Electives**Subtotal: 21**

MUSC 2300: This course also satisfies general education requirements and appear in the number of hours for both general education and the major; in reality, music majors may have up to 21 additional hours to use for electives. Students may use elective hours to earn a

minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on which concentration they select and on the courses taken to satisfy general education requirements.

Subtotal: 120

Notice: All music majors, with the exception of keyboard majors, are required to enroll in class piano MUSC 1171, MUSC 1172, MUSC 1173, MUSC 1174 every semester until they have satisfied the departmental piano proficiency requirement. All keyboard majors must enroll in MUSC 1175 – Piano Class V and pass an advanced piano proficiency exam. Majors are also required to attend recitals and concerts and satisfactorily complete a recital previously approved by the music faculty. Further information may be found in the Music Department Handbook.

In addition, all music majors must take the music theory placement exam. Contact the department of music for more information.

It is strongly suggested that students pursuing the performance concentration take a minimum of 14 hours of applied music lessons prior to taking MUSC 4990.

All music majors must present a senior level recital on their primary instrument of approximately one hour in length.

MUSIC, MINOR

Students choosing a minor in music must complete a minimum of 17-18 hours (number of courses varies) comprised of the following:

Required Courses (4 hours)

MUSC 1100	Music Theory I	3
MUSC 1110	Aural Skills I	1

Music History Electives (3 hours)

MUSC 2000	History of Jazz and Rock Music	3
MUSC 2300	Music in the Christian Church	3
MUSC 3210	Music History	3
MUSC 3220	Music History	3
MUSC 3230	Music History	3

Music Theory, Performance and Pedagogy Electives (4-5 hours)

MUSC 1120	Music Theory II	3
MUSC 1130	Aural Skills II	1
MUED 2500	Explorations in Music Educations	2
MUSC 3440	Diction I	2
MUSC 3450	Diction II	2
MUSC 3480	Beginning Conducting	2
MUED 3500	Instrumental Techniques	2
MUED 4100	Music Methods, B-8	3
MUED 4200	Music Methods, 6-12	3
MUSC 4480	Advanced Conducting	2

Ensemble (minimum of 2 hours required)

MUSC 1500	Piedmont Chorale	0-1
MUSC 1510	Piedmont College Singers	0-1
MUSC 1520	Wind Ensemble	0-1
MUSC 1530	Opera Workshop	0-1
MUSC 1540	Chamber Ensemble	0-1
MUSC 1550	Piedmont Cantabile	0-1

Students may choose to take these courses with no credit hours given; however, a minimum of two ensembles is still required.

Applied Music Lessons (minimum of 4 hours required)

MUSC 1810	Private Music Lessons	1
MUSC 1820	Private Music Lessons	1
MUSC 2810	Private Music Lessons	1
MUSC 2820	Private Music Lessons	1
MUSC 3810	Private Music Lessons	1
MUSC 3820	Private Music Lessons	1
MUSC 4810	Private Music Lessons	1

MUSC 4820	Private Music Lessons	1
MUSC 1910	Private Music Lessons	2
MUSC 1920	Private Music Lessons	2
MUSC 2910	Private Music Lessons	2
MUSC 2920	Private Music Lessons	2
MUSC 3910	Private Music Lessons	2
MUSC 3920	Private Music Lessons	2
MUSC 4910	Private Music Lessons	2
MUSC 4920	Private Music Lessons	2

CAREER OPTIONS

A degree with a major in music may lead to careers in:

Teaching Music in Elementary and Secondary Schools and Colleges

The largest number of full-time music teaching positions exists in public and private schools, in preschools, kindergartens, elementary schools and day-care centers. Teachers, supervisors or directors in middle, junior high and senior high schools provide direction for choral and instrumental organizations, small ensembles and music theatre productions. Music instruction in secondary schools also includes courses in general music, theory, music history and the related arts (music education major only).

Music teachers at institutions of higher education usually are expected to have completed graduate study in music. They generally specialize in one or two areas such as music theory, music history and literature, music education, performance, electronic music, composition, conducting or music therapy.

Studio Teaching

The studio of a private teacher may be located in a home, school, office building or music store. Those who teach in the home are usually self-employed, whereas others have a business relationship with a school or music store.

Music Therapy

The music therapist combines music, teaching and therapy to help people with disabilities improve their physical and mental health. A masters degree in music therapy and board recertification are required to work as a music therapist.

Performance

Music performance as a career means giving concerts. Opportunities for a career in music performance are very limited, and great perseverance and stamina are required for success. In addition to solo performance careers, there are also performance opportunities in chamber music, folk, rock and pop music, as well as free-lance concert and studio possibilities.

Church/Temple Music

A career as a church or temple music director or organist combines music performance and teaching. Most musicians for religious institutions are employed part time, although large congregations may employ full-time musicians.

Composer

Composers may earn a living from arranging music for school performance groups or writing music for radio or television advertising.

Conductor

Conducting opportunities exist with school choirs, school orchestras and bands, community choirs, dance bands, orchestras and operas. Most conductors rely on supplemental income from teaching.

Music Industry

The music industry is broad in scope and encompasses retail, wholesale, manufacturing, importing, exporting, publishing, recording, repair and rebuilding, tuning and other businesses. Persons who are successful in the music industry have education and training in both music and business.

Television/Radio Industry

The broadcasting industry encompasses a wide range of careers, including composition, scoring, production, editing, clearing copyrights and licensing. Career opportunities are available at television and radio stations, production houses, post-production facilities and a host of related organizations involved in producing and distributing programming.

Music Librarian

College and public libraries offer possibilities for trained music specialists with knowledge of library research and reference, indexing, cataloging, selecting materials for purchase and community relations.

MUSIC EDUCATION (MUED)

Faculty

Professor Hinson
Associate Professor Ringwall

The Bachelor of Arts degree in Music Education is designed to prepare reflective, scholarly professionals who have the knowledge, skills, and dispositions to serve as general music, choral, and instrumental music teachers, and leads to certification in music (B-12) in the state of Georgia.

Course Descriptions (p. 165)

MUSIC EDUCATION, B.A.

All music education majors, with the exception of keyboard majors, are required to enroll in class piano every semester (MUSC 1171, MUSC 1172, MUSC 1173, MUSC 1174) until they have satisfied the departmental piano proficiency requirement. All keyboard majors must enroll in Piano Class V MUSC 1175 and pass an advanced piano proficiency exam. Majors are also required to attend recitals and concerts and satisfactorily complete a recital previously approved by the music faculty. Further information may be found in the Music Department Handbook.

In addition, all music majors must take the music theory placement exam. Contact the department of music for more information.

Music Education Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Music Education Major

Subtotal: 93-96

Music Theory

MUSC 1100	Music Theory I	3
MUSC 1110	Aural Skills I	1
MUSC 1120	Music Theory II	3

MUSC 1130	Aural Skills II	1
MUSC 2100	Music Theory III	3
MUSC 2110	Aural Skills III	1
MUSC 2120	Music Theory IV	3
MUSC 2130	Aural Skills IV	1
MUSC 3240	Arranging	2

Subtotal: 18**Music History**

MUSC 3210	Music History	3
MUSC 3220	Music History	3
MUSC 3230	Music History	3

Subtotal: 9**Applied Music Lessons - Primary Instrument***Students must choose at least five of the following courses:*

MUSC 1910	Private Music Lessons	2
MUSC 1920	Private Music Lessons	2
MUSC 2910	Private Music Lessons	2
MUSC 2920	Private Music Lessons	2
MUSC 3910	Private Music Lessons	2
MUSC 3920	Private Music Lessons	2
MUSC 4910	Private Music Lessons	2
MUSC 4920	Private Music Lessons	2

Subtotal: 10**Pedagogy**

MUSC 3440	Diction I	2
MUSC 3450	Diction II	2
MUSC 3480	Beginning Conducting	2
MUSC 4480	Advanced Conducting	2
MUSC 4500	Applied Pedagogy	3

Subtotal: 11**Piano Class**

MUSC 1171	Piano Class I	1
MUSC 1172	Piano Class II	1
MUSC 1173	Piano Class III	1
MUSC 1174	Piano Class IV	1
MUSC 1175	Piano Class V	1

Subtotal: 1-4

MUSC 1175: required for keyboard majors

All music education majors must pass the Piano Proficiency Exam.

Recital Attendance

MUSC 1900	Recital Attendance	
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MUSC 1900: Required every semester. Students must pass a minimum number of semesters of Recital Attendance to graduate. See the Music Department Handbook for more information.

Junior Recital

MUSC 3990	Junior Recital	2
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Subtotal: 2**Music Education**

MUED 3500	Instrumental Techniques	2
MUED 4100	Music Methods, B-8	3
MUED 4200	Music Methods, 6-12	3
MUED 4400	Music Education Internship I	3

Subtotal: 11

Education

EDUC 1199	Introduction to Education	3
EDUC 2250	Media and Technology for Educators	3
EDUC 2251	Professional Practice I	1
EDUC 3111	Professional Practice II	1
EDUC 3151	Professional Practice III	1
EDUC 3307	Learning and Cognition	3
EDUC 3355	Exceptional Children	3
EDUC 4401	The Multicultural Classroom	3

Subtotal: 18**Professional Semester**

EDUC 4497	Classroom Management	3
EDUC 4498	Senior Seminar: Reflection and Application	3
MUED 4410	Music Education Internship II	9

Subtotal: 13**General Electives****Subtotal: 21**

EDUC 3307, EDUC 4401, MUSC3210, MUSC 3220, MUSC 3230: These courses also satisfies general education requirements and appear in the number of hours for both general education and the major; in reality, music education majors may have up to 1 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on which concentration they select and on the courses taken to satisfy general education requirements.

Subtotal: 128-131

Notice: All music majors, with the exception of keyboard majors, are required to enroll in class piano MUSC 1171, MUSC 1172, MUSC 1173, MUSC 1174 every semester until they have satisfied the departmental piano proficiency requirement. All keyboard majors must enroll in MUSC 1175 – Piano Class V and pass an advanced piano proficiency exam. Majors are also required to attend recitals and concerts and satisfactorily complete a recital previously approved by the music faculty. Further information may be found in the Music Department Handbook.

In addition, all music majors must take the music theory placement exam. Contact the department of music for more information.

It is strongly suggested that students pursuing the performance concentration take a minimum of 14 hours of applied music lessons prior to taking MUSC 4990.

All music majors must present a senior level recital on their primary instrument of approximately one hour in length.

CAREER OPTIONS

A degree with a major in music education may lead to careers in:

Teaching Music in Elementary and Secondary Schools and Colleges

The largest number of full-time music teaching positions exists in public and private schools, in preschools, kindergartens, elementary schools and day-care centers. Teachers, supervisors or directors in middle, junior high and senior high schools provide direction for choral and instrumental organizations, small ensembles and music theatre productions. Music instruction in secondary schools also includes courses in general music, theory, music history and the related arts.

Music teachers at institutions of higher education usually are expected to have completed graduate study in music. They generally specialize in one or two areas such as music theory, music history and literature, music education, performance, electronic music, composition, conducting or music therapy.

Studio Teaching

The studio of a private teacher may be located in a home, school, office building or music store. Those who teach in the home are usually self-employed, whereas others have a business relationship with a school or music store.

MUSICAL THEATRE (MTHE)

Faculty

Music: Hinson, Mellichamp, Pilkington, Price, and Ringwall

Theatre: Gabelhausen, Johnson, and Spiegel

The Bachelor of Arts in Musical Theatre is designed to provide students who have career aspirations in musical theatre with training and experiences in singing, music skills, acting, dancing, directing, and professional practices. The professional actor training program combines the study of history, theory and analysis of music and theatre with practical production experience both on stage and back stage.

Courses Descriptions (p. 165)

MUSICAL THEATRE, B.A.

Musical Theatre Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Musical Theatre Major

Subtotal: 57-60

Music

MUSC 1100	Music Theory I	3
MUSC 1110	Aural Skills I	1
MUSC 1120	Music Theory II	3
MUSC 1130	Aural Skills II	1
MUSC 3440	Diction I	2
MUSC 1810	Private Music Lessons	1
MUSC 1820	Private Music Lessons	1
MUSC 2810	Private Music Lessons	1
MUSC 2820	Private Music Lessons	1
MUSC 3810	Private Music Lessons	1
MUSC 3820	Private Music Lessons	1
MUSC 4810	Private Music Lessons	1
MUSC 4820	Private Music Lessons	1
	OR	
MUSC 1910	Private Music Lessons	2
MUSC 1920	Private Music Lessons	2
MUSC 2910	Private Music Lessons	2
MUSC 2920	Private Music Lessons	2

Subtotal: 18

Piano Class

MUSC 1171	Piano Class I	1
MUSC 1172	Piano Class II	1
MUSC 1173	Piano Class III	1
MUSC 1174	Piano Class IV	1

Subtotal: 1-4

Music History*Students must choose one of the following courses:*

MUSC 3210	Music History	3
MUSC 3220	Music History	3
MUSC 3230	Music History	3

Subtotal: 3**Theatre**

THTR 1110	Ballet	1
THTR 1111	Tap	1
THTR 1112	Jazz Dance	1
THTR 1113	Modern Dance	1
THTR 2205	Fundamentals of Technical Theatre	3
THTR 2210	Fundamentals of Acting	3
THTR 2220	Stage Movement and Dance	3
THTR 3310	Advanced Acting	3
THTR 3314	Audition Techniques and Professional Development	3
THTR 4410	Fundamentals of Directing	3

Subtotal: 22**Theatre Practicums***Students must take both courses below and repeat one of them:*

THTR 1150	Technical/Production Practicum	1
THTR 1151	Acting/Directing Practicum	1

Subtotal: 3**Theatre History***Students must choose one of the following courses:*

THTR 3301	Theatre History I	3
THTR 3302	Theatre History II	3

Subtotal: 3**Design***Students must choose one of the following courses:*

THTR 3305	Introduction to Scenic Design	3
THTR 3319	Costume Design	3

Subtotal: 3**Musical Theatre**

MTHE 3000	Music Theatre History	3
MTHE 4900	Music Theatre Capstone	1

Subtotal: 4**General Electives****Subtotal: 19**

THTR 3301, THTR 3302: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, musical theatre majors may have up to 19 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

Notice: Majors must pass the piano proficiency exam and the Sophomore Barrier. MTHE 4900 and THTR 3314 should be taken concurrently.

PHILOSOPHY AND RELIGION (PHIL/RELG)

Faculty

Professor Lytle
Assistant Professor Garvin-Leighton
Butman Assistant Professor Webb

Philosophy (PHIL)

Philosophy in the ancient tradition is the love of wisdom. The academic discipline of philosophy embodies such a passion for understanding by exploring the most profound questions regarding these three central issues: metaphysics or reality theory; epistemology or knowledge theory; and axiology or value theory. Philosophy introduces students to the classical world philosophies undergirding many of the basic assumptions of contemporary world culture. In particular, the study of philosophy helps students to develop careful analytic, synthetic, and critical thinking skills.

Religion (RELG)

The study of religion is the study of sacred beliefs about life's purpose and meaning. This study involves an academic inquiry into the major religions of the world, especially the Bible and the Judeo-Christian religious traditions. Religion courses help many students come to grips with the difference between religious traditions and personal religious heritage. Often this contrast promotes a personal journey and a clearer, deeper understanding of religious values and their import for contemporary life. Study of religion can also aid in developing an understanding of faith capable of supporting all areas of academic preparation and ethical professional practice. It provides knowledge helpful in understanding and respecting the diversity of religious commitments found anywhere in the modern world. Studies in world religions further prepare students to work appropriately and respectfully in the emerging "global village."

Students interested in pursuing graduate work in theology or entering the ministry are encouraged to design a broad-based academic program of study with the help of a full-time faculty member in that field. No specific major or minor requirements exist for entry into a graduate theology program or seminary but some academic areas and courses will better complement such studies.

Career Options

The value of philosophical and religious studies in preparation for a life well lived can hardly be overstated. In particular, study of philosophy and religion is especially valuable in at least these three ways:

1. As a general liberal arts program, philosophy and religion prepares the student to live a well-examined life, to develop skills for theoretical and practical thinking that are valuable in any career path whatsoever. As such, philosophy and religion as a major or as a selection of classes can enhance one's ability to take one's place in society as a well-educated citizen. Further, study in philosophy and religion prepares one for any career where a traditional liberal arts degree is valued.
2. Philosophy and religion also provides an excellent preparation for post-graduate professional study, especially in the areas of law and divinity. The thinking and argumentation skills developed are especially useful to those entering law school. The critical examination of core religious systems of thought is especially valuable for those entering seminary or divinity school.
3. Philosophy and religion is also an excellent preparation for post-graduate academic work in a variety of fields. Obviously, for those wishing to pursue study of philosophy or religion at the master's or doctoral level, the philosophy and religion major is especially appropriate. Furthermore, those considering further education in a variety of other fields, especially in the humanities or liberal arts fields, will find the philosophy and religion major to be an excellent preparation for academic graduate work in those areas as well.

Philosophy Career Options

In addition to enhancing studies in history, civilization, government, language, and literature, professionals in teaching, research, business, communications, technical support, government, education, and law benefit from philosophical studies by increasing their understanding of the diverse ways in which people determine meaning in, and apply value to, areas of business and social life.

Religion Career Options

Respectful knowledge of the varieties of religious expression can help students secure employment in technical and communication fields where the demand for culturally sensitive employees is rapidly growing. Religion students are successfully hired in sales, technical support, communication, research, business management, education, and teaching fields.

Course Descriptions (p. 165)

PHILOSOPHY AND RELIGION, B.A.

The major consists of 30 semester hours beyond the general education requirement. A core of 18 semester hours is required of all majors, and the remaining 12 semester hours consist of religion or philosophy electives. (Note: a philosophy or religion elective must be used to satisfy the general education requirement. If a course from the major core is used to satisfy a general education requirement, students must include an additional course from the major electives category.)

Philosophy and Religion Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Philosophy and Religion Major

Subtotal: 18-30

Philosophy and Religion Foundations

RELG 1101	Religions of the World	3
PHIL 1101	Introduction to World Philosophy	3
PHIL 1102	Critical Thinking	3
RELG 3305/PHIL 3305	Ethics	3

Students must choose one of the following courses:

RELG 2221	Introduction to the Old Testament	3
RELG 2222	Introduction to the New Testament	3

Students must choose one of the following courses:

PHIL 4499	Senior Seminar in Philosophy	3
RELG 4499	Senior Seminar in Religion	3

Subtotal: 9-18

Electives

Students must choose four of the following courses:

MUSC 2300	Music in the Christian Church	3
RELG 2201	Religious Movements in North America	3
RELG 2221	Introduction to the Old Testament	3
RELG 2222	Introduction to the New Testament	3
RELG 2254	History of Christianity	3
RELG 3301	Introduction to Theology	3
RELG 3312	Hebrew Prophets	3
RELG 3313	Life of Jesus	3
RELG 3314	Life and Teachings of Paul	3
RELG 4400	Special Topics	3
RELG 4490	Independent/Directed Study	3
RELG 4499	Senior Seminar in Religion	3
RELG 3306/PHIL 3306	Applied Ethics	3
RELG 3325/PHIL 3325	Environmental Ethics	3
RELG 4425/PHIL 4425	Philosophy of Religion	3
PHIL 2201	History of Philosophy I - Ancient and Medieval	3

PHIL 2202	History of Philosophy II - Modern and Contemporary	3
PHIL 2210	Symbolic Logic	3
PHIL 3301	Metaphysics	3
PHIL 3303	Epistemology	3
PHIL 4400	Special Topics	3
PHIL 4490	Independent/Directed Study	3
PHIL 4499	Senior Seminar in Philosophy	3

Subtotal: 9-12

RELG 2221, RELG 2222, RELG 4499, PHIL 4499: if not taken in foundations.

Electives**Subtotal: 55**

RELG 1101, PHIL 1101, PHIL 1102, RELG 3305, PHIL 3305, RELG 2201, RELG 2254, RELG 3306, PHIL 3306, RELG 3325, PHIL 3325, PHIL 2201, PHIL 2202: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, philosophy and religion majors may have up to 55 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

PHILOSOPHY, MINOR

The minor in philosophy requires 15 semester hours in philosophy.

RELIGION, MINOR

The minor in religion requires 15 semester hours in religion.

PHYSICS (PHYS)**Faculty**

Professor Hardy

Physics is the most fundamental science. It forms the basis for most other sciences and engineering disciplines. Physics provides a logical framework to build on the basic principles of nature that are derived from repeatable experiments. An applied physics major will gain experience in mechanics, thermodynamics, electromagnetism, fluids, materials, electrical circuits, relativity and quantum mechanics. These topics provide the basis for virtually every engineering discipline.

The results of physics impact our everyday lives in a host of ways. For example, physicists invented and played key roles in the development of radar, sonar, global positioning satellite systems, and night vision for the military; X-rays, CAT, and PET scans in medicine; fiber optics, transistors, radio, and internet in electronics; sensors for oil, gas, and mineral exploration. Physicists contribute their expertise to provide better transportation, computers, distribution systems, nuclear energy, better aerodynamic cars, boats, and trains; more stable bridges, buildings, and roads; better understanding of earthquakes, the earth, and weather. In fact, it would be hard to find an area of life that has not been impacted by the application of physics.

Course Descriptions (p. 165)

APPLIED PHYSICS, B.S.**Applied Physics Curriculum Outline****Bachelor of Science Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Applied Physics Major**Subtotal: 56-66****Physics**

PHYS 2110	General Physics I	4
PHYS 2120	General Physics II	4
PHYS 3100	Classical Mechanics	3
PHYS 3200	Modern Physics	3
PHYS 3300	Thermal and Statistical Physics	3
PHYS 3010	Advanced Physics Lab I	1
PHYS 3020	Advanced Physics Lab II	1
PHYS 3990	Philosophy and Methodology of Science	3
PHYS 4100	Materials	3
PHYS 4400	Electricity and Magnetism	3
PHYS 4500	Fluids	3
PHYS 4600	Circuits	3
PHYS 4800	Quantum Mechanics	3
PHYS 4950	Science Seminar	1
PHYS 4980	Senior Research	1

Subtotal: 32-39**Mathematics**

MATH 2450	Calculus I	4
MATH 2460	Calculus II	4
MATH 2470	Calculus III	4
MATH 2480	Introduction to Differential Equations	3

Students must choose four of the following courses:

MATH 3300	Probability and Statistics	3
MATH 3400	Number Theory	3
MATH 3500	Elementary Numerical Methods	3
MATH 3550	Linear Algebra	3
MATH 3600	Abstract Algebra	3
MATH 3700	Geometry	3
MATH 4000	Advanced Differential Equations	3
MATH 4100	Mathematical Modeling	3
MATH 4350	Advanced Studies in Mathematics	1-3
MATH 4500	History and Development of Mathematics	3
MATH 4600	Real Analysis	3
MATH 4700	Complex Analysis	3
MATH 4950	Directed Independent Research	3

Subtotal: 24-27

MATH 3500, MATH 3550, MATH 4000, MATH 4700: These courses are the recommended electives.

Electives**Subtotal: 17**

PHYS 2110, PHYS 2120, MATH 2450: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, applied physics majors may have up to 17 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

ENGINEERING PHYSICS, B.S.

The engineering physics degree is a dual-degree program with the Georgia Institute of Technology (Georgia Tech). This degree program provides the opportunity for a student to study three years at Piedmont College and then transfer into a Georgia Tech Engineering

Department. After completing program requirements at Georgia Tech, the student will receive a designated bachelor's degree in engineering from Georgia Tech and a B.S. in engineering physics from Piedmont College. Because of the special nature of the dual-degree program, the baccalaureate degree will not be conferred by either Piedmont College or Georgia Tech until all requirements established by both institutions have been met satisfactorily. Students must meet the minimum grade-point requirements for admission of transfer students to Georgia Tech that are in effect at the time the student matriculates at Piedmont College in order to transfer to Georgia Tech under this program.

Engineering Physics Curriculum Outline

Dual-degree with Georgia Institute of Technology (Georgia Tech)

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Engineering Physics Major

Subtotal: 40-62

Business Administration

BUSA 1210	Principles of Economics	3
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Subtotal: 0-3

Computer Science

CSCI 1371	Computer Programming	3
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Subtotal: 3

Chemistry

CHEM 1101	General Chemistry I	3
CLAB 1101	General Chemistry Lab I	1
CHEM 1102	General Chemistry II	3
CLAB 1102	General Chemistry Lab II	1

Subtotal: 1-8

English

Students must choose one of the following courses:

ENGL 2203	British Literature to 1790	3
ENGL 2204	British Literature from 1790	3
ENGL 2211	United States Literature from 1865	3

Subtotal: 0-3

History

HIST 1111	World History to the Mid-17th Century	3
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Subtotal: 3

Mass Communications

MCOM 1110	Public Speaking	3
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Subtotal: 0-3

Mathematics

MATH 2450	Calculus I	4
MATH 2460	Calculus II	4
MATH 2470	Calculus III	4
MATH 2480	Introduction to Differential Equations	3

MATH 3550	Linear Algebra	3	Subtotal: 15-18
Philosophy			
PHIL 3305	Ethics	3	Subtotal: 0-3
Physics Engineering			
PENG 2000	Engineering Statics	3	Subtotal: 3
Physics			
PHYS 2110	General Physics I	4	
PHYS 2120	General Physics II	4	
PHYS 3010	Advanced Physics Lab I	1	
Students must choose two of the following courses:			
PHYS 3100	Classical Mechanics	3	
PHYS 3200	Modern Physics	3	
PHYS 3300	Thermal and Statistical Physics	3	
PHYS 4100	Materials	3	
PHYS 4400	Electricity and Magnetism	3	
PHYS 4500	Fluids	3	
PHYS 4800	Quantum Mechanics	3	Subtotal: 15
Political Science			
POSC 1101	American Government	3	Subtotal: 0-3

Students who decide to major in Environmental or Chemical Engineering at Georgia Tech will also need to take General Biology I and lab (BIOL 1101 and BLAB 1101). Students must add electives to their required courses for a total of 90 hours required at Piedmont College prior to enrolling at Georgia Tech.

The student will take courses in the major, general education and electives for a total of 90 hours at Piedmont College. Once the student completes the Engineering degree program at Georgia Tech, 30 hours are transferred back Piedmont College to complete the 120 hours needed for a Bachelor of Science degree in Engineering Physics.

Electives

Subtotal: 3

BUSA 1210, CHEM 1101, CLAB 1101, CHEM 1102, ENGL 2203, ENGL 2204, ENGL 2211, HIST 1111, MATH 2450, MCOM 1110, PHIL 3305, PHYS 2110, PHYS 2120, POSC 1101: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, engineering physics majors may have up to 3 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

ENGINEERING SCIENCE, B.S.

The engineering science degree is a dual-degree program with Kennesaw State University (KS). This degree program provides the opportunity for a student to study three years at Piedmont College and then transfer into the Kennesaw State Engineering Department. After completing program requirements at Kennesaw State, the student will receive a designated bachelor's degree in engineering from Kennesaw State and a B.S. in engineering science from Piedmont College. Because of the special nature of the dual-degree program, the baccalaureate degree will not be conferred by either Piedmont College or Kennesaw State until all requirements established by both institutions have been met satisfactorily. Students must meet the minimum grade-point requirements for admission of transfer students to Kennesaw State that are in effect at the time the student matriculates to Kennesaw State in order to transfer to Kennesaw State under this program.

Engineering Science Curriculum Outline

Dual-degree with Kennesaw State University (KSU)

Bachelor of Science Degree

General Education**Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Engineering Science Major**Subtotal: 39-63****Business Administration**

BUSA 1210	Principles of Economics	3
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Subtotal: 0-3**Computer Science**

CSCI 1371	Computer Programming	3
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Subtotal: 3**Chemistry**

CHEM 1101	General Chemistry I	3
CLAB 1101	General Chemistry Lab I	1
CHEM 1102	General Chemistry II	3
CLAB 1102	General Chemistry Lab II	1

Subtotal: 1-8**English**

Students must choose one of the following courses:

ENGL 2203	British Literature to 1790	3
ENGL 2204	British Literature from 1790	3
ENGL 2211	United States Literature from 1865	3

Subtotal: 0-3**History**

HIST 1111	World History to the Mid-17th Century	3
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Subtotal: 3**Mass Communications**

MCOM 1110	Public Speaking	3
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Subtotal: 0-3**Mathematics**

MATH 2450	Calculus I	4
MATH 2460	Calculus II	4
MATH 2470	Calculus III	4
MATH 2480	Introduction to Differential Equations	3

Subtotal: 12-15**Philosophy/Religion**

PHIL 3305	Ethics	3
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Subtotal: 0-3**Physics Engineering**

PENG 2000	Engineering Statics	3
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Subtotal: 3

Physics

PHYS 2110	General Physics I	4
PHYS 2120	General Physics II	4

Subtotal: 8**Science Electives (Upper Level)**

Students must choose two of the following courses:

BIOL 3200	General Microbiology	4
GEOL 3100	Hydrology	3
	Any CHEM 3000 level or higher courses	
	Any PHYS 3000 level or higher courses	

Subtotal: 6-8

BIOL 3200: Requires 8 pre-requisite hours of biology.

GEOL 3100: Requires 4 pre-requisite hours of geology.

Political Science

POSC 1101	American Government	3
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Subtotal: 0-3

Students must add electives to their required courses for a total of 90 hours required at Piedmont College prior to enrolling at KSU. ANTH 1102 is recommended as an elective since it will transfer to KSU and applies toward the hours needed there.

The student will take courses in the major, general education and electives for a total of 90 hours at Piedmont College. Once the student completes the Engineering degree program at KSU, 30 hours are transferred back Piedmont College to complete the 120 hours needed for a Bachelor of Science degree in Engineering Science.

Electives**Subtotal: 4**

BUSA 1210, CHEM 1101, CLAB 1101, CHEM 1102, ENGL 2203, ENGL 2204, ENGL 2211, ENVS 2070, HIST 1111, MATH 2450, MCOM 1110, PHIL 3305, PHYS 2110, PHYS 2120, POSC 1101: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, engineering physics majors may have up to 3 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

PHYSICAL SCIENCE, MINOR

The minor in physical science requires 16 hours of course work (number of courses varies) to include the following:

PHYS 2110	General Physics I	4
PHYS 2120	General Physics II	4

An additional eight hours chosen from chemistry courses numbered 3000 or above

PHYSICS, MINOR

A minor in physics requires a minimum of 18 hours of course work to include:

PHYS 2110	General Physics I	4
PHYS 2120	General Physics II	4

10 hours of physics at the 3000 or 4000 level.

CAREER OPTIONS

A degree in applied physics prepares students for graduate study or jobs in a number of fields. The degree program is an excellent opportunity for engineering students who are uncertain of what engineering they wish to specialize in. By having this applied physics

degree, students will have a firm foundation for specializing in civil, electrical, aerospace, mechanical, or reservoir engineering at the graduate level. In addition, the logical thought processes, mathematical tools, and physical reasoning provided in this field can prepare students for continued studies in medicine (e.g. medical school), law (especially patent law), and finance (mathematics of financial vehicles). A student with this applied physics degree will be prepared to enter the job market as a lab technician in almost any engineering specialty. In addition, this degree combines a liberal arts program with a mathematical science that will prepare a well-rounded student for the many challenges of business, education, science, and engineering of the future.

POLITICAL SCIENCE (POSC)

Faculty

Associate Professor Frye

Political science is the critical study of classical and modern political theories and ideas, including the ideas that have shaped U.S. governmental institutions. It includes the study of the processes, structures and institutions of U.S. government, including international or global relationships. The major in political science fosters individual and social responsibilities, including ethical conduct and citizenship.

Career Options

Possible career options include working in local, state and federal government agencies, regional planning agencies, social services agencies and becoming a professional political scientist by completing graduate work in political science. The political science major also prepares students for law school.

Course Descriptions (p. 165)

POLITICAL SCIENCE, B.A.

The major in Political Science consists of 39 semester hours (13 courses). All majors are required to take the following courses.

Political Science Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Political Science Major

Subtotal: 39

Political Science Foundations

POSC 1101	American Government	3
POSC 3300	Comparative Politics	3
POSC 3315	Georgia Politics	3
POSC 3340	Political Ideologies	3
POSC 3360	International Relations	3
SOSC 3310	Research Methods	3
SOSC 4480	Senior Seminar	3

Subtotal: 21

Mathematics

MATH 2100	Elementary Statistics	3
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Subtotal: 3

Social Science Electives

Students must choose five of the following courses:

CRJU 1290	Introduction to Criminal Justice	3
CRJU 4430	Homeland Security and Terrorism	3
POSC 3330	National Political Issues	3
POSC 3350	Governmental Institutions	3
POSC 3370	Adjudication Processes	3
POSC 3380	International Law	3
POSC 4405	Global Issues	3
POSC 4415	Criminal Law and Procedure	3
POSC 4475	Selected Topics	3
SOSC 3398	Internship	1-6

Subtotal: 15

General Electives

Subtotal: 40

POSC 1101, MATH 2100: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, political science majors may have up to 40 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

POLITICAL SCIENCE, MINOR

A minor in political science requires 18 semester hours. Students must take POSC 1101. Students can elect to take any other five courses in political science, however it is recommended that they consult with the political science advisor when they plan their course of study.

PRE-LAW

The pre-law student must satisfy all general education requirements as well as the major and minor requirements in his or her chosen areas of study to be awarded an undergraduate degree from Piedmont College. Law schools generally do not specify a particular undergraduate major as preliminary preparation for a legal education. The American Bar Association recommends that undergraduate study should provide thorough intellectual training in social sciences, natural sciences and humanities. The liberal arts curriculum of Piedmont College provides this recommended foundation.

Admission requirements at most law schools normally include the completion of a four-year baccalaureate degree program; a satisfactory overall grade-point average; a satisfactory score on the Law School Admission Test (LSAT); and letters of reference. The requirements concerning grade average and LSAT score vary among law schools. Students who plan to attend a law school are urged to contact lsac.org to familiarize themselves with requirements and recommendations for admission to law schools. Upon entering at Piedmont, students should begin working with the College pre-law advisor, Tony Frye, associate professor of political science.

PSYCHOLOGY (PSYC)**Faculty**

Professors Daigle and Vance

Psychology is the science of behavior and mental processes. Environmental, experiential and physiological factors that influence behavior are all included within its area of study. Psychology strives to understand why people behave as they do.

A goal of the psychology program at Piedmont College is to cultivate analytical and interpersonal skills. These skills enhance all social relationships. In addition, individuals who can think, analyze and express themselves clearly are highly valued by employers.

Course Descriptions (p. 165)

PSYCHOLOGY, B.A.

All psychology majors and minors take a group of basic core courses. In addition, they have the opportunity to plan their own individualized program of study. In consultation with their faculty advisor, they will take courses best suited to their particular interests and future goals. They retain the freedom to decide their own course of study and, of course, the ultimate responsibility for their decisions.

Psychology Curriculum Outline**Bachelor of Arts Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Psychology Major**Subtotal: 37-46****Psychology Foundations**

PSYC 1101	General Psychology	3
PSYC 2201	Psychological Inquiry and Writing	1
PSYC 2202	Introduction to Research Methods and Statistics	3
PSYC 4401	History and Systems	3
PSYC 4495	Advanced Experimental Psychology (Senior Seminar)	3

Subtotal: 10-13**Mathematics**

MATH 2100	Elementary Statistics	3
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Subtotal: 0-3**Concentration**

Students must choose one of the following concentrations:

Subtotal: 27-30**Experimental Concentration**

PSYC 2290	Human Growth and Development	3
PSYC 3303	Social Psychology	3
PSYC 3360	Sensation and Perception	3
PSYC 3380	Psychology of Learning	3
PSYC 3381	Theories of Personality	3
PSYC 4410	Cognitive Psychology	3
PSYC 4490	Independent Research Project	3

Students must choose three of the following courses:

PSYC 2204	Human Sexuality	3
PSYC 2240	Psychology of Childhood and Early Adolescence	3
PSYC 2260	Psychology of Women	3
PSYC 3311	Psychology of Adolescence	3
PSYC 3312	Psychology of Adulthood	3
PSYC 3357	Special Topics in Psychology	3
PSYC 3382	Introduction to Counseling	3
PSYC 3383	Tests and Measurements	3
PSYC 4415	Abnormal Psychology	3
PSYC 4430	Environmental Psychology	3
PSYC 4441	Internship in Human Services	1-3

Developmental Concentration

PSYC 2240	Psychology of Childhood and Early Adolescence	3
PSYC 2260	Psychology of Women	3
PSYC 2290	Human Growth and Development	3
PSYC 3311	Psychology of Adolescence	3

PSYC 3312	Psychology of Adulthood	3
PSYC 3380	Psychology of Learning	3
PSYC 3381	Theories of Personality	3
PSYC 4410	Cognitive Psychology	3
PSYC 4415	Abnormal Psychology	3

Students must choose one of the following courses:

PSYC 2204	Human Sexuality	3
PSYC 3357	Special Topics in Psychology	3
PSYC 3303	Social Psychology	3
PSYC 3360	Sensation and Perception	3
PSYC 3382	Introduction to Counseling	3
PSYC 3383	Tests and Measurements	3
PSYC 4430	Environmental Psychology	3
PSYC 4441	Internship in Human Services	1-3
PSYC 4490	Independent Research Project	3

Counseling Concentration

PSYC 2204	Human Sexuality	3
PSYC 2290	Human Growth and Development	3
PSYC 3380	Psychology of Learning	3
PSYC 3381	Theories of Personality	3
PSYC 3382	Introduction to Counseling	3
PSYC 3383	Tests and Measurements	3
PSYC 4410	Cognitive Psychology	3
PSYC 4415	Abnormal Psychology	3
PSYC 4441	Internship in Human Services	1-3

Students must choose one of the following courses:

PSYC 2240	Psychology of Childhood and Early Adolescence	3
PSYC 2260	Psychology of Women	3
PSYC 3311	Psychology of Adolescence	3
PSYC 3312	Psychology of Adulthood	3
PSYC 3357	Special Topics in Psychology	3
PSYC 3303	Social Psychology	3
PSYC 3360	Sensation and Perception	3
PSYC 4430	Environmental Psychology	3
PSYC 4490	Independent Research Project	3

General Psychology Concentration

PSYC 2290	Human Growth and Development	3
PSYC 3303	Social Psychology	3
PSYC 3360	Sensation and Perception	3
PSYC 3380	Psychology of Learning	3
PSYC 3381	Theories of Personality	3
PSYC 4410	Cognitive Psychology	3
PSYC 4415	Abnormal Psychology	3

Students must choose three of the following courses:

PSYC 2204	Human Sexuality	3
PSYC 2240	Psychology of Childhood and Early Adolescence	3
PSYC 2260	Psychology of Women	3
PSYC 3311	Psychology of Adolescence	3
PSYC 3312	Psychology of Adulthood	3
PSYC 3357	Special Topics in Psychology	3
PSYC 3382	Introduction to Counseling	3
PSYC 3383	Tests and Measurements	3
PSYC 4430	Environmental Psychology	3
PSYC 4441	Internship in Human Services	1-3
PSYC 4490	Independent Research Project	3

General Electives**Subtotal: 36**

PSYC 1101, MATH 2100, PSYC 2290, PSYC 2240: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, psychology majors may have up to 36 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

PSYCHOLOGY, MINOR**The minor in psychology consists of 19 hours.****Psychology minors are required to take**

PSYC 1101	General Psychology	3
PSYC 2201	Psychological Inquiry and Writing	1

Additional 15 hours of course work in psychology.**PSYCHOLOGY HONORS PROGRAM**

The Honors Program in psychology offers interested students the opportunity to engage in individual research projects in collaboration with faculty members and to receive special recognition of their achievement. Majors in psychology are eligible to apply for the Honors Program if they have a cumulative grade-point average of at least 3.5 and a 3.5 GPA in psychology courses. The Honors Program requires the successful completion of a major in psychology and completion of an independent research project approved by the supervising faculty member. Students who complete the program successfully will receive “Honors in Psychology.” The program should aid those intending to do graduate work.

CAREER OPTIONS

The successful psychology major graduates have an increased knowledge of human behavior and sufficient analytical and interpersonal skills to be effective in utilizing this knowledge. Hence, a wide range of interesting and stimulating career opportunities are available in numerous fields. A sample of positions in these fields include personnel administrators, public relations, recreation, psychiatric assistants, health educators, probation and parole officers, salespersons, counselors, laboratory and research assistants, community workers, daycare center supervisors, newspaper reporters, technical writers, business employers and employees, and many others. The major in psychology also prepares students very well for graduate study.

SOCIOLOGY AND ANTHROPOLOGY (SOAN)**Faculty**

Professor White
Associate Professor Jacobs
Assistant Professor Lovern

Anthropology at Piedmont College is designed to promote understanding of the diversity of cultures (both past and present) as well as the relationships among them, to promote the recognition of the achievements of past and present cultures, and to promote a greater understanding of ourselves as human beings.

Sociology is a perspective on and the study of social life. Humans are first and foremost social animals who organize themselves into a variety of social forms depending on social and historical circumstances. A necessary condition for full participation in social life is the ability to understand, explain and evaluate these social forms or societies.

No matter what social roles a person plays throughout life, an appreciation of the anthropological and sociological perspective will be of benefit. The ability to understand these various roles will be enhanced because of five things. The first is the ability to think critically, to identify the various forces or conditions which we live. The second is the ability to think critically, to use acquired analytical and research skills. The third is the ability to appreciate and understand the diversity of cultures. The fourth is the ability to use the anthropological and sociological perspective to make the world a better place for all individuals.

Course Descriptions (p. 165)

SOCIOLOGY AND ANTHROPOLOGY, B.A.

Sociology and Anthropology Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101 Intro to College Life and Liberal Arts Tradition 1

Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Sociology and Anthropology Major

Subtotal: 27-36

Sociology and Anthropology Foundations

ANTH 1102	Introductory Anthropology	3
SOCI 1101	Introduction to Sociology	3
SOCI 3200	Social Theory	3
SOSC 3310	Research Methods	3
SOSC 4480	Senior Seminar	3

Students must choose two of the following courses:

ANTH 2250	Cultural Anthropology	3
ANTH 3200	Human Origins and Adaptation	3
ANTH 3340	Indians of North America	3
ANTH 3350	Archaeology of Eastern North America	3
ANTH 4450	Archaeology of Peru	3
ANTH 4475	Selected Topics	3

Subtotal: 18-24

Mathematics

MATH 2100	Elementary Statistics	3
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Subtotal: 0-3

Social Science Electives

Students must choose four of the following courses (12 hours total):

CRJU 3330	Police and Society	3
POSC 3340	Political Ideologies	3
PSYC 3303	Social Psychology	3
SOCI 2210	Social and Cultural Problems	3
SOCI 3304	Feminist Theories	3
SOCI 3320	Structured Social Inequality	3
SOCI 3335	History, Memory and the Holocaust	3
SOCI 3350	Marriage and the Family	3
SOCI 3355	Film as Sociology	3
SOCI 3357	Sociology of Gender and Sexuality	3
SOCI 3375	Social and Cultural Change	3
SOCI 3390	Deviant Behavior	3
SOCI 4410	Race and Ethnic Relations	3
SOCI 4450	Family Violence	3
SOCI 4475	Selected Topics	3
SOSC 3398	Internship	1-6

Subtotal: 9-12

General Electives

Subtotal: 46

SOCI 1101, MATH 2100, SOCI 2210: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, sociology majors may have up to 46 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

SOCIOLOGY AND ANTHROPOLOGY, MINOR

A minor requires 15 hours of course work in Anthropology and/or Sociology. A minimum of 12 hours of course work must be 3000-4000 level in Anthropology and/or Sociology.

Students can elect to take any two or three courses in anthropology and two or three courses in sociology; however, it is recommended that they consult with an appropriate faculty member when planning their program of study.

CAREER OPTIONS

Possible career options include becoming a professional anthropologist by completing graduate work in anthropology; working with government agencies such as the National Park Service, Bureau of Indian Affairs, National Immigration Service, State Historic Preservation Agency, a regional planning agency, a social service agency, or as a contract archaeologist. A minor in anthropology especially complements a career in areas where a wide range of peoples of diverse ethnic, racial and cultural groups are involved.

Possible career choices also include business, industry, human and social services, education, and federal and state civil service careers. Piedmont College graduates with a major in sociology are employed as personnel managers, ministers, youth counselors, probation and parole officers, state patrol officers, case workers, teachers and college professors.

SPANISH (SPAN)

Spanish ranks third among world languages, with more than 400 million speakers, and it serves as the official language of some 20 countries. Spanish is one of the official languages of the United Nations, the European Union, the Organization of American States, the Organization of Ibero-American States, the African Union, the Union of South American Nations, the Antarctic Treaty Secretariat, the Latin Union, the Caricom and the North American Free Trade Agreement. Within the United States, Spanish is the second most prevalent language with more than 50 million speakers, making it the fifth largest Spanish-speaking community in the world. Hispanics form the largest minority group in the United States, highlighting Spanish as an important component for any profession.

The Piedmont College Spanish program follows the Standards for Foreign Language Learning established by the American Council of Teaching of Foreign Language (ACTFL). Through our program, students develop communication skills that provide access to Spanish cultures and offer connections to additional bodies of knowledge that may be unavailable to the monolingual speaker. Through comparison and contrast in Spanish, students develop insight into the nature of language and the concept of culture and realize there are multiple ways of viewing and comprehending the world. Together, these elements enable the Spanish student to participate in multilingual communities at home and around the world in a variety of contexts and in culturally appropriate ways.

Students entering Piedmont College with substantial language ability (at least of two years of high school Spanish with at least a “B” average) and/or established placement from another institution may complete only the 1102-level course to fulfill the foreign language general education requirement. Additionally, if a student chooses to take a 2000-level or higher course in a foreign language and successfully completes the course, the foreign language requirement is considered satisfied.

Course Descriptions (p. 165)

SPANISH, B.A.

This major has been discontinued.

A major in Spanish requires a minimum of 30 hours (the number of courses varies) in Spanish beyond SPAN 1101 and SPAN 1102 (Elementary Spanish); for at least two classes, students are encouraged to study abroad for one summer term or one regular semester in a Spanish speaking country/region.

Requirements: Two 2000-level SPAN courses, seven 3000-4000 level SPAN courses, and SPAN 4499.

Spanish Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101 Intro to College Life and Liberal Arts Tradition 1

Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Spanish Major

SPAN 4499 Senior Seminar 3

Students must choose two of the following courses:

SPAN 2201 Intermediate Spanish I 3
 SPAN 2202 Intermediate Spanish II 3
 SPAN 2205 Spanish Conversation 3

Students must choose seven of the following courses:

SPAN 3300 Spanish Culture and Civilization 3
 SPAN 3305 Spanish-American Culture and Civilization 3
 SPAN 3326 Advanced Conversation and Composition 3
 SPAN 3340 Survey of Spanish Literature I 3
 SPAN 3341 Survey of Spanish Literature II 3
 SPAN 3350 Survey of Spanish-American Literature I 3
 SPAN 3351 Survey of Spanish-American Literature II 3
 SPAN 3360 Introductory International Business: Language and Culture 3
 SPAN 3380 Spanish for the Professions 3
 SPAN 4400 Spanish Linguistics 3
 SPAN 4435 Spanish Cinema 3
 SPAN 4481 Special Topics in Spanish Linguistics 3
 SPAN 4490 Special Topics in Spanish, Spanish-American or U.S. Latino Literature and Culture 3
 SPAN 4930 Internship in Spanish 1-3

Subtotal: 33-36

Spanish majors are encouraged to participate in travel study for one Maymester or one regular semester in a Spanish speaking country/region.

General Electives

Subtotal: 43

SPAN 2201: This course also satisfies general education requirements and appear in the number of hours for both general education and the major; in reality, Spanish majors may have 43 additional hours to use for electives. Students may use elective hours to earn a minor or another major, as well as to develop additional marketable skills. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

SPANISH EDUCATION, B.A.

This major has been discontinued.

The Bachelor of Arts in Spanish Education provides courses leading to certification in Spanish at the B-12 level. Students must pass a Spanish Portfolio in order to be recommended for certification.

The major in Spanish Education requires 73 hours.

In order to successfully complete this program, students must be admitted to the Teacher Education program and adhere to all of the requirements (p. 138). (Course descriptions (p. 165))

Spanish Education Curriculum Outline

Bachelor of Arts Degree

Spanish Education Major

Subtotal: 73-79

Spanish

SPAN 2201	Intermediate Spanish I	3
SPAN 2202	Intermediate Spanish II	3
SPAN 2205	Spanish Conversation	3
SPAN 3300	Spanish Culture and Civilization	3
SPAN 3305	Spanish-American Culture and Civilization	3
SPAN 4400	Spanish Linguistics	3
SPAN 4481	Special Topics in Spanish Linguistics	3

Students must choose one of the following courses:

SPAN 3340	Survey of Spanish Literature I	3
SPAN 3341	Survey of Spanish Literature II	3

Students must choose one of the following courses:

SPAN 3350	Survey of Spanish-American Literature I	3
SPAN 3351	Survey of Spanish-American Literature II	3

Subtotal: 30-33

Teacher Certification

EDUC 1199	Introduction to Education	3
EDUC 2250	Media and Technology for Educators	3
EDUC 2251	Professional Practice I	1
EDUC 3111	Professional Practice II	1
EDUC 3151	Professional Practice III	1
EDUC 3355	Exceptional Children	3
EDUC 4401	The Multicultural Classroom	3
EDUC 3307	Learning and Cognition	3
EDUC 4497	Classroom Management	3
EDUC 4498	Senior Seminar: Reflection and Application	3
PSYC 3311	Psychology of Adolescence	3
SPAN 3370	Practicum B-5	3
SPAN 3371	Practicum 6-12	3
SPAN 4460	Second Language Acquisition: Theory and Methodology	3

Subtotal: 43-46

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

General Electives

Subtotal: 3

SPAN 2201, EDUC 4401: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, Spanish education majors may have up to 3 additional hours to use for electives. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

SPANISH, MINOR

A minor in Spanish consists of a minimum of 12 hours (the number of courses varies) beyond SPAN 1102 Elementary Spanish.

Requirements: Two 2000-level SPAN courses and two SPAN electives.

DOUBLE MAJOR

Students may combine the Spanish major with any other major offered at the college, as Spanish language acquisition offers an important advantage for any profession, especially education, nursing, business, international studies, criminal justice, social sciences and the arts.

THEATRE ARTS (THTR AND THED)

Faculty

Associate Professors Gabelhausen and Johnson
Assistant Professors Blandin and Spiegel

The theatre program offers academic study and hands-on learning in the areas of acting, directing, production, costuming, set design and construction, sound, lights, children's theatre, playwriting, movement and voice for actors, and theatre history. By actively participating in course work during the day and productions in the evening, students develop performance, technical and analytical skills. The department produces a variety of theatrical events each semester in order to broaden the scope for the future theatre professional.

The mission of the Piedmont College Theatre Department is to provide rigorous academic training for students in both performance and technical theatre, to provide audiences with quality productions of the highest caliber, to explore the full range of theatrical offerings from the classical to the contemporary, and to foster professionalism, creativity, and camaraderie.

Course Descriptions (p. 165)

THEATRE ARTS, B.A.

Theatre Arts Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Theatre Arts Major

Subtotal: 40-43

Theatre Foundations

THTR 1150	Technical/Production Practicum	1
THTR 1151	Acting/Directing Practicum	1
THTR 2205	Fundamentals of Technical Theatre	3
THTR 2210	Fundamentals of Acting	3
THTR 2215	Script Analysis	3
THTR 3301	Theatre History I	3
THTR 3302	Theatre History II	3
THTR 4410	Fundamentals of Directing	3
THTR 4460	Senior Project	3

Students must take an additional practicum by choosing one of the following courses:

THTR 1150	Technical/Production Practicum	1
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THTR 1151	Acting/Directing Practicum	1
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Students must choose one of the following courses:

ENGL 3311	Drama	3
ENGL 4405	Shakespeare	3

Subtotal: 24-27**Electives***Students must choose from the following courses with a maximum of 3 hours from practicums:*

ENGL 3311	Drama	3
ENGL 4405	Shakespeare	3
THTR 1150	Technical/Production Practicum	1
THTR 1151	Acting/Directing Practicum	1
THTR 2220	Stage Movement and Dance	3
THTR 2230	Children's Theatre	3
THTR 2235	Puppetry Arts	3
THTR 2240	Theatre for Youth Production I	3
THTR 2265	Makeup Design	3
THTR 2420	Selected Topics in Theatre	3
THTR 3305	Introduction to Scenic Design	3
THTR 3310	Advanced Acting	3
THTR 3312	Voice and Diction for the Stage	3
THTR 3314	Audition Techniques and Professional Development	3
THTR 3315	Sound Design	3
THTR 3317	Lighting Design	3
THTR 3318	Properties Design	3
THTR 3319	Costume Design	3
THTR 3320	Stage Management	3
THTR 3325	Theatre Management	3
THTR 3335	Theatre for Social Change	3
THTR 3340	Theatre for Youth Production II	3
THTR 3350	Playwriting	3
THTR 3426	Special Effects and Pyrotechnics for the Stage	3
THTR 4420	Creative Dramatics	3
THTR 4425	Advanced Technical Theatre	3
THTR 4430	Advanced Directing	3
THTR 4435	Advanced Scene Design	3

Subtotal: 16**General Electives****Subtotal: 33**

THTR 3301, THTR 3302: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, theatre arts majors may have up to 33 additional hours to use for electives. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

DESIGN AND TECHNICAL THEATRE, B.A.**Design and Technical Theatre Curriculum Outline****Bachelor of Arts Degree****General Education****Subtotal: 46****Piedmont College Requirement**

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Design and Technical Theatre Major

Subtotal: 48-51

Theatre Foundations

THTR 1150	Technical/Production Practicum	1
THTR 1151	Acting/Directing Practicum	1
THTR 2205	Fundamentals of Technical Theatre	3
THTR 2210	Fundamentals of Acting	3
THTR 2215	Script Analysis	3
THTR 3301	Theatre History I	3
THTR 3302	Theatre History II	3
THTR 3305	Introduction to Scenic Design	3
THTR 4425	Advanced Technical Theatre	3
THTR 4460	Senior Project	3

Subtotal: 24-27

Theatre Design Electives

Students must choose three of the following courses:

THTR 2265	Makeup Design	3
THTR 3315	Sound Design	3
THTR 3317	Lighting Design	3
THTR 3318	Properties Design	3
THTR 3319	Costume Design	3
THTR 3320	Stage Management	3

Subtotal: 9

Electives

Students must choose five of the following courses:

ENGL 3311	Drama	3
ENGL 4405	Shakespeare	3
THTR 2220	Stage Movement and Dance	3
THTR 2230	Children's Theatre	3
THTR 2235	Puppetry Arts	3
THTR 2240	Theatre for Youth Production I	3
THTR 2420	Selected Topics in Theatre	3
THTR 2265	Makeup Design	3
THTR 3310	Advanced Acting	3
THTR 3312	Voice and Diction for the Stage	3
THTR 3314	Audition Techniques and Professional Development	3
THTR 3315	Sound Design	3
THTR 3317	Lighting Design	3
THTR 3318	Properties Design	3
THTR 3319	Costume Design	3
THTR 3320	Stage Management	3
THTR 3325	Theatre Management	3
THTR 3335	Theatre for Social Change	3
THTR 3340	Theatre for Youth Production II	3
THTR 3350	Playwriting	3
THTR 3426	Special Effects and Pyrotechnics for the Stage	3
THTR 4410	Fundamentals of Directing	3
THTR 4420	Creative Dramatics	3
THTR 4430	Advanced Directing	3
THTR 4435	Advanced Scene Design	3

Subtotal: 15

General Electives

Subtotal: 25

THTR 3301, THTR 3302: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, design and technical theatre majors may have up to 25 additional hours to use for electives. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.
Subtotal: 120

THEATRE FOR YOUTH, B.A.

Theatre for Youth Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Theatre for Youth Major

Subtotal: 42-45

Theatre Foundations

THTR 1150	Technical/Production Practicum	1
THTR 1151	Acting/Directing Practicum	1
THTR 2205	Fundamentals of Technical Theatre	3
THTR 2210	Fundamentals of Acting	3
THTR 2215	Script Analysis	3
THTR 2230	Children's Theatre	3
THTR 3301	Theatre History I	3
THTR 3302	Theatre History II	3
THTR 4410	Fundamentals of Directing	3
THTR 4420	Creative Dramatics	3
THTR 4460	Senior Project	3

Students must take an additional practicum by choosing one of the following courses:

THTR 1150	Technical/Production Practicum	1
THTR 1151	Acting/Directing Practicum	1

Students must choose one of the following courses:

THTR 2240	Theatre for Youth Production I	3
THTR 3340	Theatre for Youth Production II	3

Subtotal: 30-33

Theatre Electives

Students must choose four of the following courses:

ENGL 3311	Drama	3
ENGL 4405	Shakespeare	3
THTR 1150	Technical/Production Practicum	1
THTR 1151	Acting/Directing Practicum	1
THTR 2220	Stage Movement and Dance	3
THTR 2235	Puppetry Arts	3
THTR 2240	Theatre for Youth Production I	3
THTR 2265	Makeup Design	3
THTR 2420	Selected Topics in Theatre	3
THTR 3305	Introduction to Scenic Design	3
THTR 3310	Advanced Acting	3
THTR 3312	Voice and Diction for the Stage	3

THTR 3314	Audition Techniques and Professional Development	3
THTR 3315	Sound Design	3
THTR 3317	Lighting Design	3
THTR 3318	Properties Design	3
THTR 3319	Costume Design	3
THTR 3320	Stage Management	3
THTR 3325	Theatre Management	3
THTR 3335	Theatre for Social Change	3
THTR 3340	Theatre for Youth Production II	3
THTR 3350	Playwriting	3
THTR 3426	Special Effects and Pyrotechnics for the Stage	3
THTR 4425	Advanced Technical Theatre	3
THTR 4430	Advanced Directing	3
THTR 4435	Advanced Scene Design	3

Subtotal: 12

General Electives

Subtotal: 31

THTR 3301, THTR 3302: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, theatre for youth majors may have up to 31 additional hours to use for electives. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

DRAMA EDUCATION, B.A.

The Bachelor of Arts in Theater Education provides courses leading to certification in Drama at the B-12 level. Courses and program requirements include classroom instruction as well as hands-on learning in theater production and theory, academic preparation in theatre, and experiential learning opportunities in pedagogy. Students must gain admittance into the Piedmont College School of Education, pass appropriate GACE exams, attain pre-service certification, and pass a Theatre Portfolio in order to be recommended for certification.

In order to successfully complete this program, students must be admitted to the Teacher Education program and adhere to all of the requirements (p. 138). (Course descriptions (p. 165))

Drama Education Curriculum Outline

Bachelor of Arts Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Drama Education Major

Subtotal: 63-72

Theatre Foundations

THTR 1150	Technical/Production Practicum	1
THTR 1151	Acting/Directing Practicum	1
THTR 2205	Fundamentals of Technical Theatre	3
THTR 2210	Fundamentals of Acting	3
THTR 2230	Children's Theatre	3
THTR 3301	Theatre History I	3
THTR 3302	Theatre History II	3
THED 3400	Drama Education	3
THTR 4410	Fundamentals of Directing	3

Students must take an additional practicum by choosing one of the following courses:

THTR 1150	Technical/Production Practicum	1
THTR 1151	Acting/Directing Practicum	1

Subtotal: 21-24**Electives***Students must choose three of the following courses:*

ENGL 3311	Drama	3
ENGL 4405	Shakespeare	3
THTR 2220	Stage Movement and Dance	3
THTR 2240	Theatre for Youth Production I	3
THTR 2420	Selected Topics in Theatre	3
THTR 3305	Introduction to Scenic Design	3
THTR 3310	Advanced Acting	3
THTR 3312	Voice and Diction for the Stage	3
THTR 3317	Lighting Design	3
THTR 3319	Costume Design	3
THTR 3320	Stage Management	3
THTR 3340	Theatre for Youth Production II	3
THTR 4420	Creative Dramatics	3

Subtotal: 9**Teacher Certification**

EDUC 1199	Introduction to Education	3
EDUC 2250	Media and Technology for Educators	3
EDUC 2251	Professional Practice I	1
EDUC 3111	Professional Practice II	1
EDUC 3151	Professional Practice III	1
EDUC 3337	Teaching Reading and Writing in the Content Areas	3
EDUC 3355	Exceptional Children	3
EDUC 4401	The Multicultural Classroom	3
THED 3360	Internship I, P-8	3
	OR	
THED 3361	Internship I, 9-12	3
PSYC 2290	Human Growth and Development	3
	OR	
EDUC 3307	Learning and Cognition	3

Subtotal: 18-24**Professional Semester**

EDUC 4497	Classroom Management	3
EDUC 4498	Senior Seminar: Reflection and Application	3
THED 4499	Internship II	9

Subtotal: 15**General Electives****Subtotal: 10**

THTR 3301, THTR 3302, EDUC 4401, PSYC 2290: These courses also satisfy general education requirements and appear in the number of hours for both general education and the major; in reality, drama education majors may have up to 10 additional hours to use for electives. The number of elective hours students may take will depend on the courses taken to satisfy general education requirements.

Subtotal: 120

THEATRE ARTS, MINOR**A minor in theatre arts requires 15 hours (5 courses), including the following:**

THTR 1100	Introduction to Theatre	3
THTR 2210	Fundamentals of Acting	3
THTR 3301	Theatre History I	3
	OR	
THTR 3302	Theatre History II	3

The remaining courses (6 hours) may be any theatre elective.

CAREER OPTIONS

Graduate Study

Many graduate schools offer theatre arts as an academic or professional area of study. The Bachelor of Arts in theatre provides the stepping-stone needed to enter a Master of Arts (M.A.) or Master of Fine Arts (M.F.A.) program, which may qualify the graduate for teaching in higher education. The M.F.A. is recognized in the professional and academic domains of theatre as a terminal degree. Successful theatre arts students may also qualify to enter a doctoral (Ph.D.) program in certain areas of theatre scholarship.

Professional Opportunities

Many professional organizations require a degree in staffing positions such as technical theatre or management. While professional acting opportunities may not always require formal education, the knowledge and experience gained from the B.A. program provides the student with expanded opportunities that should be helpful in securing employment in professional theatre companies.

Other Opportunities

As an inherently interdisciplinary liberal arts program, the theatre arts degree evidences the reading, writing, speaking, and research skills sought by prospective employers and professional schools. Many theatre arts majors are successful in law school, mass communications, public relations, and other fields.

WALKER SCHOOL OF BUSINESS

Dr. Edward C. Taylor, Dean

Mission Statement

The Walker School of Business prepares engaged learners for successful careers. This is accomplished by offering undergraduate and graduate business programs of distinction, delivered by a talented and caring faculty, with an emphasis on academic rigor, ethical integrity, individual attention, and performance excellence.

Accreditation Council for Business Schools and Programs (ACBSP)

The Walker School of Business received national accreditation in November 2007 from the Accreditation Council for Business Schools and Programs (ACBSP) for both the undergraduate and graduate business programs. ACBSP's mission is to establish, promote, and recognize educational practices that contribute to the continuous quality improvement of business education programs, teaching of business courses, and student learning outcomes in colleges and universities throughout the United States and abroad.

Goals

Undergraduate Program Goals

Students graduating with an undergraduate business degree will have developed:

- A working knowledge of the functional areas of business
- An ability to use critical thinking skills
- An ability to communicate effectively
- A clear perception of business ethics.

The Undergraduate Business Program

Undergraduate students enrolled in the Walker School of Business work toward a Bachelor of Science degree with a major in business administration. The major in business administration requires 14 business core courses (42 semester hours), 2 specific courses (6 semester hours) from the general education requirements, plus 7 courses (21 semester hours) from a business concentration. Concentrations are available in accounting, data science, finance, general business, management, and marketing.

The program for the business administration major has been developed with the assistance of local business leaders who continue to serve as advisors and who help provide linkages to the business world. Near the conclusion of the program, each business administration student is encouraged to participate in an internship with a business or other organization. The internship program is designed not only to provide the student with direct application of academic training but also to enhance future employment opportunities.

Course Scheduling for Business Programs

In many small colleges, numerous courses appear in the catalog leading students to conclude that course offerings are more diverse than may actually be the case. Accrediting bodies have become sensitive to this issue because it is an easy and unethical way to misrepresent the program offerings at a given institution.

The Walker Business School's program offerings support day and evening students on both the Athens and the Demorest campuses. Additionally, the master schedule addresses the particular needs of both the four-year regular students and the two-year degree completion students. The following plan addresses this diverse set of needs with the following plan. Obviously, a course may be offered but may not be taught due to lack of demand, however, over the past five years, this has occurred less than 5% of the time.

The Walker School of Business offers two types of courses: core courses and specialty courses.

Core courses are taken by all business majors, specialty courses are only by students specializing in the various concentrations (e.g. accounting, marketing, management, etc.). On the Demorest campus, where traditional four-year day student constitutes the greatest density of students, we offer core courses every semester during the day and once per year in the evening. On the Athens campus, where the non-traditional evening student constitutes the greatest density of students, core courses are offered twice per year in the evening.

Specialty courses are offered once per year on the Demorest Campus and at least once every two years in Athens and if the specialty

course appears in more than one program then the course is offered at least once every year. By using these guidelines any student, on either campus, can meet the requirements for a major in business administration in two years.

BUSINESS ADMINISTRATION (BUSA)

Faculty

Professors Nelms, E. Taylor
Senior Fellows Carlson, Keel, Sullivan
Associate Professor Waller
Fellows Maughon, Moery
Assistant Professors Moore, Perrella, Ryder, Warnock

A liberal arts foundation serves as the base for the business administration undergraduate major offered by the school. This major has been designed with a global perspective as well as an entrepreneurial focus. In addition, students will explore a broad range of ethical issues that impact society and the corporate world. Study abroad opportunities are available through the “Maymester” as well as a semester at the University of Nottingham in England.

Students who major at the undergraduate level in business administration must pursue a program, which in addition to typical general education courses, includes 14 business core courses plus those courses for a specific concentration.

Course Descriptions (p. 165)

BUSINESS ADMINISTRATION, B.S.

Business Curriculum Outline

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Business Core Requirement

BUSA 2030	Information Systems for Business	3
BUSA 2100	Quantitative Methods for Business	3
ACCT 2010	Accounting I	3
ACCT 2020	Accounting II	3
BUSA 2140	Legal Environment for Business	3
BUSA 3010	Management	3
BUSA 3200	Marketing	3
BUSA 3210	Global Economics	3
BUSA 3400	Finance for Business	3
BUSA 3500	Quantitative Research Methods for Business	3
BUSA 3700	Project Management	3
BUSA 4000	International Business	3
BUSA 4030	Management Information Systems	3
BUSA 4400	Strategic Management	3

Subtotal: 42

Business Core Notes: As an advising guideline, courses should be taken in the sequence shown above. BUSA 1210 (Principles of Economics), BUSA 2000 (Business Communication), and MATH 1113 (Precalculus) or MATH 2450 (Calculus I) should be taken within the College general education core; otherwise they must be taken within the general electives area. Three semester hours earned from BUSA 4990 (Business Directed “Maymester”) may be substituted for BUSA 4000. MATH 2100 may be substituted for BUSA 2100. For Data Science students, MATH 2450 (Calculus I) should be taken as a part of the general education core.

Concentration Requirements**Subtotal: 21****General Electives****Subtotal: 10-11**

Subtotal: 120

Concentrations

For the major in business administration, each student must select a concentration in a specific field. Concentrations are available in Accounting, Data Science, Finance, General Business, Management, and Marketing.

Accounting Concentration

A major in business administration with a concentration in accounting provides a doorway to many career opportunities both within and outside of accounting. The degree may lead one to become a certified public accountant or certified management accountant and will prepare one for employment in the manufacturing and service industries as well as for government service. A background in accounting is also an excellent foundation for graduate school in business or law.

Accounting, often called the language of business, provides essential information about the economic activities of an entity. It plays an important role in our economic and social system. The decisions made by individuals, businesses, governments and other entities determine the use of the nation's scarce resources. The goal of accounting is to record, report and interpret economic and financial data for use by decision makers.

Concentration Requirements (21 semester hours)

ACCT 2200	Tax Accounting	3
ACCT 3010	Intermediate Accounting I	3
ACCT 3020	Intermediate Accounting II	3
ACCT 3100	Cost Accounting	3
ACCT 4500	Advanced Accounting	3
ACCT 4600	Auditing	3

Elective — Choose one from

ACCT 3306/BUSA 3306	Applied Ethics	3
ACCT 4700	Accounting Internship	3
BUSA 3130	Financial Institutions and Markets	3
ACCT 4200	Corporate Tax	3
ACCT 4990/BUSA 4990	Special Topics	1-3

Students interested in becoming a Certified Public Accountant (CPA) need to earn 30 semester hours in ACCT courses beyond Principles of Accounting (ACCT 2010 and 2020), and total at least 150 semester hours. Interested students should work closely with their academic advisor in planning the courses selected which can include ACCT 3306, ACCT 4610, ACCT 4700, ACCT 4200, ACCT 4990, ACCT 6430 (Financial Investment Analysis), ACCT 6500 (Corporate Financial Analysis), and ACCT 6530 (Managerial Accounting).

Data Science Concentration (Demorest Campus Only)

For many years it has been axiomatic that the purpose of business strategy is the creation and sustainment of competitive advantage and that the basis for competitive advantage is knowledge. Data driven decision making is a term that has been around for over a decade, but recent changes in both data collection and data analytics has transformed decision making methodologies in organizational settings. Consider for a moment just how much data has been collected and stored in all of history; next consider that two years from now that amount will have doubled. Next, consider the idea that the ability to create knowledge from big data sets through the use of data analytics will underpin the sustainment of competitive advantage. Within organizations, as planners craft strategy, as decision makers select alternatives, the data analyst becomes an integral part of the modern organizational structure and accordingly, the data analyst position will be the fastest growing new job opportunity in business for the next ten years. For these reasons, we have modernized every concentration in our business program to reflect this new reality and we have added data science for business as a new concentration.

Concentration Requirements (21 semester hours)

ACCT 3306/BUSA 3306	Applied Ethics	3
BUSA 3415	Data Science for Finance & Economic Applications	3
BUSA 3515	Qualitative Analysis for Business	3

BUSA 4355	Data Analytics for Marketing Applications	3
BUSA 4800	Quality Management and Data Science	3
BUSA 4950	Data Science for Business: Applied Research	3
MATH 3550	Linear Algebra	3

*MATH 2450 must be taken to meet the general education requirement.

Finance Concentration

The finance concentration helps students develop the solid foundation in financial principles and practices valued by successful business professionals. Students develop their analytical skills, study the role of financial institutions and markets in the global economy, and explore the use of financial management tools and techniques in the overall strategic management of the firm. The study of finance prepares students for careers in commercial and investment banking, corporation finance, investment analysis and management, and financial analysis. This concentration also provides sound preparation for graduate study.

Concentration Requirements (21 semester hours)

ACCT 3010	Intermediate Accounting I	3
ACCT 3020	Intermediate Accounting II	3
ACCT 3306/BUSA 3306	Applied Ethics	3
BUSA 3130	Financial Institutions and Markets	3
BUSA 4300	Small Business Management	3
BUSA 4310	Investment Management	3

Elective: Choose one from:

MATH 3550	Linear Algebra	3
BUSA 3340	Sports Economics	3
ACCT 3100	Cost Accounting	3
BUSA 3415	Data Science for Finance & Economic Applications	3
ACCT 4200	Corporate Tax	3
ACCT 4500	Advanced Accounting	3
ACCT 4600	Auditing	3
BUSA 4700	Business Internship	3
BUSA 4990/ACCT 4990	Special Topics	1-3

General Business Concentration

The general business concentration is designed for students wishing to obtain a broad exposure to several functional areas of modern business. Electives should be chosen with the student's specific career goals in mind. This concentration also prepares students for graduate study.

Concentration Requirements (21 semester hours)

ACCT 3306/BUSA 3306	Applied Ethics	3
BUSA 4300	Small Business Management	3
BUSA 4550	Organizational Behavior and Leadership Theories	3

Electives: Choose four from:

ACCT 3100	Cost Accounting	3
BUSA 3130	Financial Institutions and Markets	3
BUSA 3250	Consumer Behavior	3
BUSA 3310	Organizational Behavior	3
BUSA 3340	Sports Economics	3
BUSA 4100	Advertising & Promotion OR	3
MCOM 3700	Advertising and Communications	3
BUSA 4310	Investment Management	3
BUSA 4320	Human Resource Management	3
BUSA 4700	Business Internship	3

BUSA 4800	Quality Management and Data Science	3
BUSA 4250	Sales Management and Personal Selling	3
BUSA 4990/ACCT 4990	Special Topics	1-3

Management Concentration

The management concentration provides students with a broad set of skills, knowledge, and perspectives so they can pursue careers in a variety of organizations and industries and deal with the realities of numerous job and career changes following graduation. Also, the management concentration provides a solid foundation for graduate study in MBA programs or law school. The management concentration focuses on topics fundamental to the success of leaders and organizations.

Management, where the student focuses on acquiring decision-making and implementation skills, is designed to provide ethical strategic direction to businesses in a global setting. The management concentrations differ from other business concentrations in that it focuses on between-function issues whereas other concentrations focus primarily on within-functional issues.

Concentration Requirements (21 semester hours)

ACCT 3306/BUSA 3306	Applied Ethics	3
BUSA 4300	Small Business Management	3
BUSA 4320	Human Resource Management	3
BUSA 4550	Organizational Behavior and Leadership Theories	3
BUSA 4800	Quality Management and Data Science	3

Electives: Choose two from:

ACCT 3100	Cost Accounting	3
BUSA 3130	Financial Institutions and Markets	3
BUSA 3250	Consumer Behavior	3
BUSA 3310	Organizational Behavior	3
BUSA 3340	Sports Economics	3
BUSA 4310	Investment Management	3
BUSA 4700	Business Internship	3
BUSA 4990/ACCT 4990	Special Topics	1-3

Marketing Concentration

The study of marketing explores the dynamic processes in which persons and organizations strive to anticipate and satisfy the needs and wants of consumers. Students develop an understanding of the concepts and functions of marketing, including the appreciation of consumer orientation and the refinement of the skills and abilities needed to analyze and formulate marketing strategies. This concentration is particularly relevant to the student planning a career in sales, advertising, consumer relations, brand management, and marketing research. This concentration also prepares students for graduate study.

Concentration Requirements (21 semester hours)

ACCT 3306/BUSA 3306	Applied Ethics	3
BUSA 3250	Consumer Behavior	3
BUSA 3515	Qualitative Analysis for Business	3
BUSA 4300	Small Business Management	3
BUSA 4350	Marketing Research	3

Electives: Choose two from:

ACCT 3100	Cost Accounting	3
BUSA 3130	Financial Institutions and Markets	3
BUSA 3340	Sports Economics	3
BUSA 4100	Advertising & Promotion OR	3
MCOM 3700	Advertising and Communications	3
BUSA 4120	Sports Marketing	3
BUSA 4250	Sales Management and Personal Selling	3
BUSA 4310	Investment Management	3

BUSA 4550	Organizational Behavior and Leadership Theories	3
BUSA 4700	Business Internship	3
BUSA 4990/ACCT 4990	Special Topics	1-3

Note: Students interested in the area of Sports Marketing should consider BUSA 3340 and BUSA 4120 as electives above.

GENERAL BUSINESS MINOR FOR NON-BUSINESS MAJORS

The general business minor is an added enhancement to many fields of study. All people are touched by business in their daily and professional lives. This minor will provide entrepreneurs (who are majoring in Art, Theater, Music, Psychology, Literature, Science, or anything other than Business) with the knowledge, skills, and abilities that will be needed to survive, succeed, and prosper in the management of a small business in their chosen field.

(21 semester hours)

Minor Requirements

BUSA 1210	Principles of Economics	3
ACCT 2010	Accounting I	3
ACCT 2020	Accounting II	3
BUSA 3010	Management	3
BUSA 3200	Marketing	3
BUSA 3400	Finance for Business	3

Electives: Choose one from:

BUSA 3500	Quantitative Research Methods for Business	3
BUSA 4300	Small Business Management	3
BUSA 4400	Strategic Management	3

SCHOOL OF EDUCATION

Dr. Donald Gnecco, Dean

Dr. Julie Palmour, Associate Dean (Demorest)

Dr. Clay Crowder, Associate Dean (Athens)

Faculty

Dean Gnecco

Associate Deans Palmour and Crowder

Professors Benson, Berrong, A. Brown, W. Brown, Lucado, McCollum, Rettig, Rogers, Samuelson, Secules, Shirley, Smith-Patrick, and Welsh

Professors Emeritus Andrews, Briggs, Kibler, McFerrin, H. Smith

Senior Fellows Breithaupt, Busbee, McCain, and D. Smith

Associate Professors Betz, I. Crowder, Gannon, Hollandsworth, Hutcheson-Williams, Jordan, Rambo, Short, Southall, Tavernier, Tucker, and Turpin

Fellow Carmack

Assistant Professors Clinton, Goss, Griffin, Land, Mapp, Nixon, and Sears

Instructor Willis

Preparing proactive educators to improve the lives of all children.

Mission

The School of Education offers a variety of undergraduate and graduate programs to prepare teachers at the initial and advanced levels. Programs of study include undergraduate programs in Early Childhood Education, Middle Grades Education, Secondary Education, Art Education, Spanish Education, Educational Studies, and Drama Education. Graduate programs at both the initial and advanced certification levels include master's programs in Art Education, Early Childhood Education, Middle Grades Education, Music Education, four content areas in Secondary Education, Instructional Technology, and Special Education. The School also offers the Education Specialist and Doctor of Education degrees in Curriculum and Instruction.

The theme of the School of Education is "Mastering the art of teaching: Preparing proactive educators to improve the lives of all children." The School of Education strives to prepare scholarly, reflective, proactive educators in a caring environment with challenging and meaningful learning experiences. These practitioners effectively educate their own students to become knowledgeable, inquisitive, and collaborative learners in diverse, democratic learning communities.

Specific ideals support our conceptual framework. We advocate the democratic ideals of: equal rights and opportunities; individual freedom and responsibility; responsibility for the greater good; respect for diversity; openness to possibilities; and open, informed discourse.

We endorse the following processes as a means of striving for our democratic ideals: engaging in participatory decision-making; collaborating in teaching and learning; collecting information from all constituencies; examining options and projecting consequences; nurturing open discourse; providing for field experiences; assessing processes as well as products; modeling democratic ideals in the classroom; forming communities of learners; and constantly revising the curriculum to reflect new insights and understandings. Further, we endorse the development of a sense of personal integrity and of strong habits of mind (e.g., reflectiveness, persistence, clarity, accuracy, and responsiveness to feedback).

Students' Responsibility

Students must assume full responsibility for knowledge of the policies, rules, and regulations of the School of Education and the College, and of departmental requirements concerning their individual programs. Students are also responsible for meeting deadlines as published on the College website. In no case will a regulation be waived or an exception be granted because a student pleads ignorance of the regulation or asserts that the individual was not informed of a specific requirement by an advisor or other College personnel.

All Piedmont students are required to utilize the Piedmont email system for the dissemination of information by the administration. Students are responsible for all information distributed in this manner. Additionally, information for students is posted in the School of Education Student Bulletin Board website.

Continuation and completion of all programs is contingent upon demonstration of the knowledge, skills, and dispositions necessary to help all students learn as described in the School of Education Conceptual Framework and Candidate Program Learning Outcomes. Piedmont College reserves the right to withdraw a teacher candidate from teacher education for failure to meet these outcomes.

Students must be knowledgeable about professional ethics and social behavior appropriate for school and community, and they must also have specific knowledge about the Georgia Code of Ethics for Educators.

Regulations, program requirements, and procedures are subject to change pending rules of the Georgia Professional Standards Commission. Programs of study leading to certification are approved by the Georgia Professional Standards Commission.

EDUCATION (EDUC) GENERAL PROGRAM REQUIREMENTS

Admission to Teacher Education

Education students are admitted to the college as pre-education majors. Subsequently, students will then apply for formal Admission to Teacher Education. The application for Admission to Teacher Education is available online and can be accessed from the SOE Student Bulletin Board. Once admitted to Teacher Education, all candidates will be required to apply for a Georgia Pre-Service Certificate, which will involve a state background check.

Eventually the following requirements must be met for full admission to the teaching program:

- A grade of P in EDUC 2251 Professional Practice I.
- Evidence of adequate scholastic ability, demonstrated by a 2.5 “C+” or higher cumulative GPA or 2.75 for Secondary Education majors.
- Evidence of meeting expectations for professional conduct and ethics as documented by completion of Compliance Director Code of Ethics and Mandated Reporting Modules and by passing the Georgia Ethics Assessment (entry level).
- Passing score on the GACE Program Admission Assessment (PAA) unless exemption filed according to the following criteria: SAT exemption (1000 or better on combined verbal and math); ACT exemption (43 total by adding English and Math); GRE exemption (1030 total with no minimum verbal and quantitative or 297 if taken after 8/1/11). Students must pass the GACE Program Admissions Assessments and be admitted to Teacher Education in order to take professional courses in the major.
- Passing required interview and written assessment.

When all of the above requirements have been met the candidate will receive a letter confirming his or her full admission to the education program.

See School of Education Portal on PilgrimNet for more information.

Fees

Although Piedmont College does not assess student fees, candidates for degrees and programs leading to teacher certification will incur costs associated with state certification requirements, over which the College has no control.*

Membership – Student Professional Association of Georgia Educators (SPAGE) – Liability Insurance (3 years) – required of all candidates for field experience, Internship I and Internship II \$18

Georgia Assessments for the Certification of Educators (GACE)

Program Admissions Assessment \$128†

†If all three parts are taken together; otherwise, the cost is \$103 for two tests; \$78 for a single test

Ethics Assessment (Entry level) \$30

Content Assessments 193†

†If taking a combined test (2 assessments); a single content test is \$123

Ethics Assessment (Exit level) \$30

Education Teacher Performance Assessment (edTPA) \$300

*Fees were accurate at the time of printing, but are subject to change.

Professional Practice Courses

All candidates in undergraduate programs in teacher education must complete three, one- credit Professional Practice courses. These courses are designed to position education students for the Georgia pre-service certificate, and to prepare candidates for the various GACE

(Georgia Assessments for the Certification of Educators) Content Assessments and the Educator Teacher Performance Assessment (edTPA). Candidates who come to Piedmont from other states and who do not wish to remain in Georgia must also complete these courses, as they are linked to field experiences and internship requirements.

EDUC 2251	Professional Practice I	1
EDUC 3111	Professional Practice II	1
EDUC 3151	Professional Practice III	1

Field Experiences

Field Experience requirements are established by each department. Teacher Candidates should consult the School of Education portal on PilgrimNet and the School of Education Bulletin Board website for detailed information concerning their program of study. Field Experiences include documented hours built into individual courses and internships. Education majors should be aware that they must have the pre-service certificate prior to completing any required field experiences.

Continuation and completion of all field experiences is contingent upon demonstration of the knowledge, skills, and dispositions necessary to help all students learn as described in the School of Education Conceptual Framework and Candidate Program Learning Outcomes. Piedmont College reserves the right to withdraw or change the placement of a teacher candidate for failure to meet these outcomes or at the request of the host school.

Compass Program: Experiential Learning

Students who are enrolled at Piedmont for all four of their undergraduate years will be required to complete three Experiential Learning Endeavors that reflect distinct Compass Points of Interest, in addition to their fulfillment of academic requirements. The Compass Points of Interest include Social Ethics, Leadership, Cultural Awareness, Creativity and Innovation, Vocation, and Service Learning.

Each endeavor will originate with a project proposal, involve sponsorship by a member of the Piedmont College faculty or staff, and include a reflection component. Upon completion of endeavors, students compose succinct descriptions of what they gained from the experiences that will comprise an Experiential Learning Transcript.

Technology Requirements

As technology continues to evolve in P-12 and in the college classroom, students and faculty of teacher preparation programs are challenged to stay current in the “tools of the day.” This need is reinforced by recent changes in accreditation requirements where the skillset in instructional technology use by teacher candidates is required. Additionally, constant changes in initiatives such as “Bring Your Own Technology” and network-based 1:1 student/technology ratios require that current and future teachers possess strong technology integration skills and cross-platform selection for their P-12 students.

School of Education candidates will no longer be required to purchase, or bring to class, mobile technology, laptops, or other relevant instructional technology tools. However, the School of Education strongly encourages teacher candidates to come prepared with any tools that demonstrate their abilities to apply student engagement activities through related educational Apps, educational games, and educational websites, and other software. Many of these skills are provided in EDUC 2250/EDUC 6601 Media and Technology for Educators, but Candidates are also charged with the ability to prepare with varied technology-based tools and a working knowledge of a need for compatibility with tablets and laptops from varied platforms. Optimizing student engagement through the use and support of current technologies and online systems is the primary focus of School of Education faculty to enrich education classes and to further make our graduates competitive in the educational arena.

PROGRAM COMPLETION REQUIREMENTS

Teacher Certification

The College’s recommendation for a letter of eligibility for certification by the Georgia Professional Standards Commission in the appropriate area or areas is contingent upon:

- Completion of the Georgia Educators Ethics Assessments (both entry and exit levels)
- Georgia Pre-Service Certification
- Completion of all courses in the professional education sequence (each with a minimum grade of “C”);

- All professional education courses must be completed within 10 years of the student’s graduation date unless approved by the department chair;
- Application for graduation;
- Successful completion of the edTPA portfolio;
- Successful completion of Compass requirements;
- Attainment of the baccalaureate degree;
- An overall GPA of 2.5, and a 2.75 GPA for secondary education majors in their content field;
- A passing score on the Program Admissions Assessments (PAA) tests;
- A passing score on the appropriate GACE Content Assessments.

Candidates must take and pass the appropriate GACE (Georgia Assessments for the Certification of Educators) content tests prior to beginning the Internship II semester. Individuals who have not passed the GACE tests will not be permitted to register for Internship II. Candidates who do not pass the GACE content tests may elect to change majors and/or apply to receive the Bachelor of Arts degree in Educational Studies.

Candidates who have not passed the appropriate GACE content tests and who graduate from Piedmont College with the B.A. degree in Educational Studies may apply to return to the College within five years as a certification-only student. A prerequisite for readmission as a certification-only student is successful completion of the appropriate GACE content tests.

For specific information about the certification application process, consult the School of Education Student Bulletin Board website.

In-Progress Grade Policy for the School of Education

Assigning an In-Progress grade “IP” is at the discretion of an instructor with the approval by the Dean of the School of Education. Failure to remove the “IP” by the end of the next semester enrolled at Piedmont College will result in an “F.” For students who do not return to Piedmont, the “IP” must be removed within a calendar year or it changes to an “F.”

A grade of “IP” (in progress) may be used in a limited number of courses approved by the Dean of Education for a candidate who initiates coursework which cannot be completed during the semester because of circumstances, such as a delay in collecting research data, a need for extended work in student teaching, apprenticeships, capstones. The procedures for using the IP grade are as follows:

- The candidate is expected to initiate the request for an “IP” grade, completing all the items in the candidate section of the form and submitting the form to the course instructor.
- If the candidate is unable to initiate the request, the instructor may do so by completing all sections and writing “by phone” or “by email” for the candidate’s signature.
- If the instructor approves the request, it should be forwarded to the Dean of Education no later than the last day of classes for that semester.
- The Dean makes the final determination if the request is granted and will forward approved requests to the Registrar and instructor. Requests not approved by the Dean will be returned to the instructor who will notify the candidate then assign an appropriate grade.

Courses Approved for In-Progress Grades:

Research courses: An In-Progress grade in graduate research courses may be awarded in cases when the researcher is unable to complete the research as a result of delays beyond his or her control.

EDUC 2251	Professional Practice I	1
EDUC 3111	Professional Practice II	1
EDUC 3151	Professional Practice III	1
EDUC 7795	Applied Research Project	1-3

Capstones:

In-Progress grades may be appropriate in individual cases when the prospective presenter and graduate capstone course instructor agree that the presenter should continue development of the capstone into the next semester.

EDEC 7788	Capstone/Exhibition	3
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SPED 7780	Capstone Seminar (with required portfolio exhibition)	3
EDS 8880	Leadership in 21st Century Schools	3

Teaching experience:

An In-Progress grade may be awarded when a candidate's internship is extended by the college.

ART 4498	Art Education Internship I	3
ART 4499	Art Education Internship II	9
EDEC 3361	Internship I	3
EDMG 3361	Internship I, 4-8	3
EDMG 4499	Internship II (4-8)	10
EDEC 7740	Internship I	3
EDEC 7742	Internship II	9
EDMG 7740	Internship I (4-8)	3
EDMG 7742	Internship II (4-8)	9
SPED 7742	Internship II	9
EDSE 7740	Internship I (6-12)	3
EDSE 7743	Internship II	5
EDSE 4498	Internship I	3
EDSE 4499	Internship II	9
ART 7742	Internship I (P-8)	3
ART 7744	Advanced Internship in Art	5
ART 7745	Advanced Internship in Art	5
EDEC 7744	Advanced Internship I	5
EDEC 7745	Advanced Internship II	5
EDMG 7744	Advanced Internship (4-8)	5
EDMG 7745	Advanced Internship (4-8)	5
EDSE 7744	Advanced Internship I	5
EDSE 7745	Advanced Internship II	5
SPED 7740	Advanced Research to Practice	3
SPED 7744	Advanced Internship I	5
SPED 7745	Advanced Internship II	5
THED 3360	Internship I, P-8	3
MUED 7400	Internship I (Observation)	3

*Other courses may be eligible for an In-Progress grade by the discretion of the Dean of the School of Education.

MAJORS

The School of Education offers state-approved programs of study leading to early childhood education (P-5), middle grades education (4-8), secondary education (6-12), art education, Spanish Education, and drama education certification. Additionally, the School of Education offers programs in Early Childhood Program Administration (Athens campus only) and Educational Studies. All candidates are required to take an undergraduate School of Education orientation within their first two semesters at Piedmont College.

All candidates must document field experiences in diverse settings across grade levels (P-5 ECE or 4-8 MG) during their program of study. See program requirements.

Course Descriptions (p. 165)

ART EDUCATION (P-12), B.A.

For information regarding a major in Art Education please refer to the Art section (p. 58).

EARLY CHILDHOOD EDUCATION (P-5), B.A.

Early Childhood Education Curriculum Outline

Bachelor of Arts (BA) Degree in Early Childhood Education

Mission: The mission of the Bachelor of Arts (BA) degree program in Early Childhood Education is to prepare graduates to be professional, proactive, reflective, and scholarly practitioners and leaders in elementary classrooms, P-5.

The Bachelor of Arts Degree in Early Childhood Education requires a minimum of 120 credit hours as follows:

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Major Courses

EDUC 1199	Introduction to Education	3
MATH 2010	Mathematics for Teachers	3
EDUC 2251	Professional Practice I	1
EDUC 4401	The Multicultural Classroom	3
EDUC 2250	Media and Technology for Educators	3
EDUC 3307	Learning and Cognition	3
EDUC 3355	Exceptional Children	3
EDUC 3339	Fine Arts for Teachers	3
EDPE 3321	Health & Physical Education in the Classroom	3
EDUC 3333	Geography in the P-12 Classroom	3
EDEC 3334	Social Studies Methods, P-5	3
EDEC 3335	Science Methods, P-5	3
EDUC 3111	Professional Practice II	1
EDEC 3331	Reading Methods, P-5	3
EDEC 3332	Language Arts Methods, P-5	3
EDEC 3336	Math Methods, P-5	3
EDUC 3151	Professional Practice III	1
EDEC 3361	Internship I	3
EDUC 3338	Assessing and Assisting Effective Reading in the Classroom	3
EDUC 4405	Exploration and Analysis of Reading Environments	3
EDUC 4495	Educational Assessment for All Learners	3
EDEC 4499	Internship II (P-5)	10
EDUC 4497	Classroom Management	3
EDUC 4498	Senior Seminar: Reflection and Application	3
	EDUC or EDEC Elective	3

Subtotal: 76

Subtotal: 120

MIDDLE GRADES EDUCATION (4-8), B.A.

Middle Grades Education Curriculum Outline

Bachelor of Arts (BA) Degree in Middle Grades Education

Mission: Bachelor of Arts (BA) degree program in Middle Grades Education prepares graduates to be professional, proactive, reflective, and scholarly middle grades practitioners and leaders in middle grades classrooms.

The Bachelor of Arts Degree in Middle Grades requires a minimum of 120 credit hours as follows:

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Professional Education courses

EDUC 1199	Introduction to Education	3
EDUC 2250	Media and Technology for Educators	3
EDUC 2251	Professional Practice I	1
EDMG 3331	Reading Methods, 4-8	3
EDUC 3111	Professional Practice II	1
EDUC 3337	Teaching Reading and Writing in the Content Areas	3
EDMG 3345	Teaching in the Middle School	3
EDUC 3355	Exceptional Children	3
EDMG 3361	Internship I, 4-8	3
EDUC 3151	Professional Practice III	1
EDUC 4495	Educational Assessment for All Learners	3
EDUC 3307	Learning and Cognition	3
EDUC 4401	The Multicultural Classroom	3

Two methods courses of the following four, taken before Internship II

EDMG 3332	Language Arts Methods, 4-8	3
EDMG 3334	Social Studies Methods, 4-8	3
EDMG 3335	Science Methods, 4-8	3
EDMG 3336	Math Methods, 4-8	3

Professional Semester – All three taken in one semester

EDUC 4497	Classroom Management	3
EDUC 4498	Senior Seminar: Reflection and Application	3
EDMG 4499	Internship II (4-8)	10

Subtotal: 55

Content courses

Content courses for Middle Grades concentrations.

Subtotal: 24

General Education courses and Content courses: Middle grades education majors select two areas of concentration from the language arts, mathematics, natural sciences and social sciences. Courses taken in the concentration areas may be used to meet general education requirements. Candidates would work with their faculty advisor to select appropriate courses.

Subtotal: 120

Area of Content Courses

Middle grades education majors select two areas of concentration (12-13 hours each) from language arts, mathematics, natural sciences and social sciences. Courses taken in the concentration areas may be used to meet general education requirements. Students should check with their advisor.

A. Language Arts

ENGL 4450	Seminar in Composition Studies	3
ENGL 4455	Survey of English Usage for Teachers	3

Select two of the courses below:

ENGL 2210	United States Literature to 1865	3
ENGL 2211	United States Literature from 1865	3
ENGL 2220	Ethnic American Literature	3
ENGL 2221	Women Writers	3
ENGL 2225	Nature Writers	3
ENGL 3307	Short Story	3
ENGL 3308	Novel	3
ENGL 3309	Poetry	3
ENGL 3311	Drama	3
ENGL 3312	Non-Fiction	3
ENGL 4427	American Romanticism	3

ENGL 4428	Twentieth-Century American Literature	3
ENGL 4429	Multicultural American Literature	3
ENGL 4430	Literature of the American South	3

B. Mathematics

MATH 2050	Mathematics for the Liberal Arts	3
MATH 2450	Calculus I	4
	OR	
MATH 1113	Precalculus	3
MATH 3700	Geometry	3
	OR	
MATH 2020	Geometry for Middle Grades Teachers	3
MATH	Elective (numbered 3000 or above)	

C. Natural Sciences

BIOL 1101	General Biology I	3
CHEM 1101	General Chemistry I	3
	OR	
PHYS 1011	Physical Science I	4
	OR	
PHYS 1012	Physical Science II	4
ERSC 2201	Physical and Historical Geology of Georgia	4
	OR	
ERSC 2202	Astronomy and Meteorology	4

Any other approved science

ERSC 2201	Physical and Historical Geology of Georgia	4
	OR	
ERSC 2202	Astronomy and Meteorology	4
GEOL 1101	Physical Geology	3
	OR	
GEOL 1102	Historical Geology	3

D. Social Sciences

HIST 3301	History of the United States to 1836	3
	OR	
HIST 3302	History of the United States, 1836-1912	3
HIST 3330	History of Georgia	3
EDUC 3333	Geography in the P-12 Classroom	3
POSC 1101	American Government	3

TEACHING, MINOR

This minor benefits those interested in teaching but not seeking certification at the undergraduate level. The minor is not related to a specific level of teaching and does not lead to certification. Prior to taking any courses for the minor, a candidate must provide a Verified Background Check.

Requirements are:

EDUC 1199	Introduction to Education	3
EDUC 2251	Professional Practice I	1
EDUC 3355	Exceptional Children	3
EDEC 3361	Internship I	3

	OR	
EDMG 3361	Internship I, 4-8	3
	OR	
EDSE 4498	Internship I	3
Choose one:		
PSYC 2240	Psychology of Childhood and Early Adolescence	3
PSYC 2290	Human Growth and Development	3
EDUC 3307	Learning and Cognition	3

Any two additional 3-hour courses with a prefix of EDUC, EDEC, EDMG, or EDSE not used in a major.

DRAMA EDUCATION (P-12), B.A.

For information regarding a major in Drama Education please refer to Theater Arts (p. 128).

SECONDARY EDUCATION PROGRAMS (6-12)

Undergraduate Programs

Piedmont College offers five undergraduate programs for individuals seeking initial certification to teach grades 6-12: English/Language Arts Education, Mathematics Education, History Education, Biology Education, and Chemistry Education. Most students, if they register for 15-17 credit hours per semester, complete these Programs of Study in four years, but it may be necessary to enroll in summer sessions or other options.

Successful completion of EDUC 2151 and a pre-service certificate are required during the first semester that a candidate declares a secondary education major.

Programs of study are available from the Chair of Secondary Education, or from the respective Arts and Science departments, or in this catalog as listed below.

Biology Education (p. 64)

Chemistry Education (p. 67)

English/Language Arts Education (p. 72)

History Education (p. 81)

Mathematics Education (p. 95)

EDUCATIONAL STUDIES, B.A.

Students enrolled in undergraduate programs in Early Childhood Education, Middle Grades Education, Secondary Education, Art Education, Drama Education, or Spanish Education who do not wish to pursue teacher certification or complete the professional requirements for student teaching, apprenticeship teaching, or internship may apply instead to complete requirements for a B.A. Degree in Educational Studies. Individuals who select this option are not recommended for state certification. A minimum of 120 credits, of which 30 must be in Education courses, is required for completion of the degree. The professional semester, which typically includes the Internship II experience, must be replaced by course work. All Educational Studies candidates are required to complete the following requirements in the final semester of the program.

1. EDUC 4788 Educational Studies Capstone
2. A completed program portfolio

A request to change to the Educational Studies major must be filed with the Dean's office on the appropriate form.

Individuals who have been accepted to the College (and/or who may have been admitted as "undecided" majors) may choose to pursue the bachelor's degree in Educational Studies, with the idea of pursuing other education-related careers, including human services, educational publishing, museums, galleries, or teaching in private schools. Students complete the college's general education requirements and a 30-credit major comprised of education courses planned with their advisor. Educational Studies majors must register for and pass EDUC 2251 and be admitted to Teacher Education. A final capstone course is required. The educational studies degree does not lead to recommendation for teacher certification.

Candidates who receive the B.A. degree in Educational Studies may apply to return to the College within five years as a certification-only student. A prerequisite for admission as a certification-only student is successful completion of the appropriate GACE content tests and a pre-service certificate.

Educational Studies Curriculum Outline

Bachelor of Arts (BA) Degree in Educational Studies

Mission: The Bachelor of Arts (BA) degree in Educational Studies is designed for individuals who may have originally entered a bachelor's degree program in education and whose career goals have changed and who are no longer seeking teacher certification. Additionally, the mission of the BA degree in Educational Studies provides individuals who are not seeking teacher certification with course work and experiences to pursue careers in education-related fields such as human services, educational publishing, museums, galleries, or private schools.

To be eligible for the B.A. degree in Educational Studies, candidates must, with the assistance of their advisor, complete a program of studies that includes a minimum of 30 credits in Education course work (of which 3 credits must include the Capstone exhibition course) and a minimum of 120 credits.

The Bachelor of Arts Degree in Educational Studies requires a minimum of 120 credit hours as follows:

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Major courses

Candidates will complete a program of studies that includes a minimum of 30 credits in Education course work (of which 3 credits must include the Capstone exhibition course)

Required courses:

EDUC 4788	Capstone/Exhibition	3
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Subtotal: 30

Elective courses

(approved by advisor)

Subtotal: 46

Subtotal: 120

Endorsement Programs

Candidates in undergraduate or certification-only programs may wish to add one or more endorsements to their program of study. In Georgia, endorsements are added to an educator's professional certificate after three years' successful teaching. As an approved Educator Preparation Program Provider by the Georgia Professional Standards Commission, the Piedmont College School of Education offers the following endorsements:

- Autism Education Endorsement Program
- Gifted In-Field Endorsement

AUTISM EDUCATION ENDORSEMENT PROGRAM

Candidates in undergraduate teacher education programs at Piedmont College may, with the help of their faculty advisor, elect to take a sequence of three courses, making them eligible for an endorsement in Autism. For more information, contact Dr. Candice Southall, Department of Exceptional Child Education.

Required Courses

EDUC 4485	Characteristics of Learners with Autism Spectrum Disorder	3
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EDUC 4486	Instructional Methods for Learners with Autism Spectrum Disorder	3
EDUC 4487	The Autism Advisor	3

IN-FIELD ENDORSEMENT IN GIFTED EDUCATION

Candidates in undergraduate teacher education programs at Piedmont College may, with the help of their faculty advisor, elect to take a sequence of three courses, making them eligible for an in-field endorsement in Gifted Education. For more information, contact Dr. Isabelle Crowder, Coordinator of Gifted Education.

Required Courses

EDUC 4421	Characteristics of Gifted Students	3
EDUC 4422	Assessment of Gifted Students	3
EDUC 4423	Programs, Curriculum and Methods for Gifted Students	3

DUAL-DEGREE SECONDARY EDUCATION PROGRAMS

These programs are for students who prefer certification at a master's degree level, or who opt for secondary education after the fall semester of their junior year. They combine a bachelor's degree with a Master of Arts in Teaching, leading to recommendation for a Georgia induction teaching certificate in the following fields: English/Language Arts, Mathematics, Broad-field Science, and History.

Dual-Degree candidates should follow their respective department's program of studies for secondary education as described in the department sections under the school of Arts & Sciences section of this catalog. The only required education course in the Dual-Degree Program is EDSE 3366 Foundations and Practicum in Secondary Education (4 semester hours). This course should be taken in either junior or senior year. Candidates must hold a pre-service certificate before taking EDSE 3366.

Refer also to "Fast Track Admissions" in the Graduate Catalog and Master of Arts in Teaching: Initial Certification.

PHYSICAL EDUCATION (EDPE)

The department offers courses to promote the total wellness of all students. The physical, mental, emotional, social and spiritual growth of the individual is stressed in all areas.

Course Descriptions (p. 165)

COURSE DESCRIPTIONS

EDPE 1100	Cardiopulmonary Resuscitation (CPR)	1
EDPE 1102	Fitness Walking	1
EDPE 1103	Bowling	1
EDPE 1104	Golf	1
EDPE 1105	Tennis	1
EDPE 1107	Weight training	1
EDPE 1108	Special Topics in Dance	1
EDPE 3321	Health & Physical Education in the Classroom	3

R.H. DANIEL SCHOOL OF NURSING AND HEALTH SCIENCES

Dr. Julia Behr, Dean

Dr. Abbey Dondanville, Associate Dean for Health Sciences

Dr. Maria Fisk, Associate Dean for Nursing

R.H. Daniel School of Nursing and Health Sciences Mission Statement

In accordance with the mission of Piedmont College, the R.H. Daniel School of Nursing and Health Sciences is committed to providing the graduate with the foundations to integrate knowledge, skills, and values from the arts and sciences through the development of a reciprocal learning community. The health professional will provide or accommodate quality care with respect for the diversity of individuals, groups and communities. The health professional, through engagement, personal growth, and ethical reasoning, will be a responsible global citizen who is a leader upholding high standards, while working collaboratively through the interprofessional team.

Faculty

Professors Fisk and Willsea

Associate Professors Anderson, Dondanville, Johnson-Huff, Miller, and Starrett

Assistant Professors Baugus-Wellmeier, Fouts, Gastley, Greulich, Hawks, Kelley, Koshuta, McKinney, Shehee, and Sowa

NURSING (NURS)

All preceding academic policies and procedures apply to the Bachelor of Science in Nursing program except those listed below:

- Directed Independent Study
- Grading policy

The R.H. Daniel School of Nursing and Health Sciences policies concerning the above and their application to the nursing major are described in the Nursing Student Handbook.

Course Descriptions (p. 165)

ADMISSION/ PROGRESSION CRITERIA

- Pre-licensure – those applicants who have never held a nursing license

Admission Criteria for the RN Pre-licensure Program

Students in the pre-licensure program are admitted once a year for classes beginning in the summer, both on the Demorest and Athens campuses. Admission to Piedmont College does not guarantee admission to the School of Nursing. A separate application is required for admission to the School of Nursing, and should be received in the School of Nursing by the online published date prior to desired admission date. Students desiring admission to the School of Nursing must meet all admission criteria as specified by the School of Nursing. Incomplete applications will not be evaluated. In addition, transfer students must include proof of admission to Piedmont College prior to the review of their nursing applications. An official transcript of all general education courses completed must be sent to the Piedmont College Admissions office to be reviewed by the admission committee for the Nursing program.

Criteria for admission are as follows:

- Regular admission and acceptance to Piedmont College must preclude the application to the nursing program
- Separate application to the School of Nursing must be submitted for review by the published online date
- Demonstration of performance at or above the national mean on a standardized entrance examination. Examination must be taken in the academic year of application and may not be taken more than twice in the academic year.
- Completion of all required general education courses for the nursing major; exemption of MATH 1100 will require students to take another math course approved by their advisor not to include MATH 2100, MATH 2010, or MATH 2020.

- Minimum of “C” in all general education courses required for the nursing major; only two lab science courses may be repeated one time. Failure of more than two science courses or a second failure in any one science course results in ineligibility for admission to the School of Nursing and ineligibility to remain a nursing major.
- Completion of biology courses (anatomy and physiology, microbiology) within the last seven years or permission of the Dean of the School of Nursing
- Minimum cumulative grade point average (CGPA) of 3.00 on general education courses required for the nursing major. A CGPA of 3.00 does not guarantee admission to the School of Nursing. Cumulative GPA calculated for admission is based only on courses required for admission to the nursing program. In instances where a course has been repeated for a higher grade, the higher grade will be counted only if the first grade is a “D” or “F.” If the initial grade is a “C” or higher, repeat grades will not be counted.
- Documentation of the following at time of admission—
 - a. Current health and accident insurance
 - b. Current physical examination by either a licensed physician or nurse practitioner
 - c. Immunization including mumps, measles, rubella (MMR), and varicella or titer to prove immunities
 - d. Current tetanus, Tdap/Td (tetanus, diphtheria, pertussis)
 - e. Current two-step PPD tuberculin test or chest x-ray results for converters
 - f. Hepatitis B (HBV) vaccination (preferably two of the three injections completed)
 - g. Current certification as a Health Care Provider in CPR by the American Heart Association
 - h. Successful completion of a criminal background check and drug screen approved by the School of Nursing. Students who are not able to successfully complete an acceptable background check and drug screen may not be eligible for clinical placement and therefore are ineligible to continue in the program.

Failure of two or more required nursing courses at another school, college, or university will lead to denial of admission to the School of Nursing.

The School of Nursing maintains the right to deny admission to the program for good cause.

Students who have not completed all general education requirements may apply for admission to the School of Nursing in the fall semester prior to desired admission date provided they complete the remaining courses by the semester that they begin the nursing program.

If all of the criteria for admission have been successfully completed, contingent admission may be offered until grades are received for the remaining coursework. Proof of completion with grades must be submitted to the Dean of the School of Nursing prior to the first day of orientation to the nursing program.

Once a student is accepted in the School of Nursing, a deposit to be specified by the School of Nursing will be required to hold that student’s place in the School. When the student registers for the initial semester in the nursing program, this deposit will be credited to the student’s tuition.

Enrollment Limitations

In order to provide clinical practicum sites and faculty supervision, enrollment limitations may be necessary. The Admissions and Progression Committee of the School of Nursing will review application files and consider cumulative grade-point averages (CGPA), standardized exam scores, and response to essay question to determine preference for admission. Any applicant not admitted, or accepted students who decide not to enter the program, may reapply for admission. Each application for admission will be evaluated as a new application; seats are not held by the School of Nursing from one application period to the next. Prior admission to the School of Nursing does not guarantee admission in subsequent years.

LPN to BSN Admission Criteria

Applicants currently holding an unencumbered Georgia LPN license who apply to the Nursing program will follow the same admission requirements as traditional BSN applicants. Students with a LPN license accepted into the program will complete the BSN curriculum as published. There is the opportunity for students with a LPN licensure to complete a competency assessment for NURS 3312 and receive course credit under the Georgia Articulation agreement as part of their first semester in the program.

General Education Requirements for Nursing and Health Science Majors:

See **General Education Requirements** (p. 50)

Please consult the specific program for further information:

NURSING, B.S.N.

Nursing Curriculum Outline

Bachelor of Science in Nursing Degree

General Education

Catalog information for General Education (p. 50) and Degree Completion General Education (p. 53)

For more information regarding specific General Education Requirements for pre-nursing students, please see the BSN Program Sequence. Demorest - Athens

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Nursing Foundation

BIOL 1101	General Biology I	3
BIOL 2150	Medical Microbiology	4
HSCS 2210	Basic Nutrition	3
MATH 1100	College Algebra	3
	OR	
MATH 1113	Precalculus	3

Subtotal: 13

Courses required by Nursing included under the General Education and not counted again here

BIOL 2100	Human Anatomy and Physiology I	4
BIOL 2110	Human Anatomy and Physiology II	4
BLAB 1101	General Biology Lab I	1
MATH 2100	Elementary Statistics	3
PSYC 2290	Human Growth and Development	3

Nursing Concentration

NURS 3312	Foundations: Basic Principles of Nursing	5
NURS 3313	Pathophysiology and Pharmacology I	3
NURS 3314	Pathophysiology and Pharmacology II	4
NURS 3322	Fundamentals of Nursing Practice	6
NURS 3323	Health Assessment	4
NURS 3330	Adult Health Care I	5
NURS 3332	Population Focused Community Health Nursing	4
NURS 4425	Nursing of Acute and Chronic Mental Health Conditions	4
NURS 4420	Research in Nursing	3
NURS 4426	Adult Health Care II	4
NURS 3331	Family Nursing	4
NURS 4427	Health Care of the Child	4
NURS 4430	Nursing Care of the Complex Client with Multiple Problems	5
NURS 4431	Nursing Leadership and Management	3
NURS 4432	Clinical Internship	4
NURS 4434	Capstone Seminar	1

Subtotal: 62

Subtotal: 121

PROGRESSION CRITERIA

Students will enroll in nursing classes throughout the program only on the same campus where they were initially accepted. Students must meet the following criteria in order to progress in the nursing program:

1. The progression policies of the College
2. The performance standards of the School of Nursing
3. A minimum of "74%" in all nursing courses must be maintained as well as a satisfactory in all clinical/lab assignments. Only one nursing course may be repeated throughout the curriculum. Failure (i.e., grade below "74%") of more than one required nursing course or a second failure of a required nursing course constitutes dismissal from the program with no consideration for readmission.
4. Satisfactory completion of standardized exams at the acceptable national norm standard (See School of Nursing Student Handbook).
5. Passage of a medication administration exam each fall semester required percentage. Inability to pass a medication administration exam at required percentage will prevent student attendance at clinical practicums and will lead to failure of clinical courses.
6. Results of a yearly PPD tuberculin test or chest X-ray results for converters
7. Proof of certification for Health Care Provider CPR by the American Heart Association. Certification must remain valid during all enrolled semesters.
8. Proof of continued health insurance
9. A random drug screen may be required on the basis of "reasonable suspicion" (See School of Nursing Drug Screening Policy in the School of Nursing Student Handbook).
10. Demonstration of professional conduct and ethical behavior:
 - Interacts in a professional, cooperative way with faculty, staff, and peers; treating all others with dignity and respect
 - Is regular and prompt in attendance; meets deadlines and gets assignments on time
 - Demonstrates a strong knowledge base and seeks to improve competence through continued learning
 - Models correct use of oral and written standard English
 - Keeps current on developments in the nursing profession
 - Exhibits enthusiasm in teaching and learning
 - Demonstrates a strong personal moral code and sound character exemplified by honesty, fairness, courage, dependability, and generosity worthy of respect and trust in accordance with the Honor Code
 - Demonstrates emotional stability while performing patient care in the clinical setting
 - Does not violate civil and criminal laws or the Piedmont College student conduct code
 - Models the philosophy and mission of the School of Nursing In addition, during all clinical experiences the student will:
 - Exhibit a caring attitude toward clients, recognize their primary responsibility to clients and protect their privacy, health and safety;
 - Maintain an association with nursing faculty, staff and students both inside and outside the classroom, which includes maintaining appropriate relationships, communication, and physical contact, and avoiding situations that might be perceived as inappropriate;
 - Keep client information confidential. Breach of confidentiality will result in dismissal from the School of Nursing.

CORE PERFORMANCE STANDARDS

Each student is expected to be able to meet the following performance standards at all times to meet the requirements of the program and progress through the curriculum.

Requirement	Standard
Critical Thinking	Critical thinking ability for effective clinical reasoning and clinical judgment consistent with level of educational preparation
Professional Relationships	Interpersonal skills sufficient for professional interactions with a diverse population of individuals, families and groups
Communication	Communication adeptness sufficient for verbal and written professional interactions
Mobility	Physical abilities sufficient for movement from room to room in small spaces
Motor Skills	Gross and fine motor skills sufficient for providing safe, effective nursing care.
Hearing	Auditory ability sufficient for monitoring and assessing health needs
Visual	Visual ability sufficient for observation and assessment necessary in patient care
Tactile	Tactile ability sufficient for physical examination
Mental/Emotional	Possess the mental and emotional ability to adapt to the environment, function in emergency situations and cope with stressors

*Based on recommendations of the Southern Regional Education Board

Students must be able to meet the clinical site health care institution's standards to gain admission to the facility. Each health care facility maintains their own policies and standards requiring Piedmont College's compliance.

READMISSION CRITERIA

Students who have failed one nursing course or who have withdrawn from a nursing course during an academic term must reapply for readmission to the School of Nursing to repeat the course that was dropped or failed. Students may not progress until they have successfully completed both the didactic and clinical portion of the dropped or failed course. The following criteria must be met:

1. Student must notify the nursing program in writing their intent to return to the program. The nursing leadership team will determine eligibility to return and notify the student. A student learning contract will be completed and signed by the student prior to re-admission to the program.
2. Successful demonstration of specified skills as determined by course coordinator prior to clinical rotation and in conjunction with learning contract
3. Pass a medication administration exam at the required percentage prior to clinical rotation
4. Audit nursing courses as agreed upon by the student learning contract for readmission
5. Successful completion of a new background check and drug screen one month prior to returning

All nursing courses must be completed within a three-year period of time from the date of the first nursing course taken. Absence from nursing courses for more than one semester will require validation of previous learning and skills as determined by the School of Nursing faculty. The learning contract will be completed and signed by the student to aid in successful re-entry to the program. The School of Nursing reserves the right to determine applicants' re-entry status and placement in the curriculum depending on validation results.

GRADUATION REQUIREMENTS

Students must meet the graduation requirements for Piedmont College and the R. H. Daniel School of Nursing and Health Sciences. Graduation requirements for the R.H. Daniel School of Nursing and Health Sciences are outlined in the School of Nursing Student Handbook.

Procedures for application for graduation are listed in the Piedmont College catalog.

LICENSURE

Licensure to practice as a Registered Nurse is granted by the Board of Nursing in the state in which one wishes to practice. Successful completion of the National Council Licensure Examination for Registered Nurses (NCLEX-RN) is required as one of the components of the licensure process before Registered Nurse status can be granted by a Board of Nursing. An application to take this examination (NCLEX-RN) is completed by the applicant prior to graduation from a nursing program. Applicants with any civil or criminal convictions greater than a traffic violation must declare such convictions on the application. Convictions will be acknowledged by the state Board of Nursing and appropriate documents relating to such may be requested by the Board or Secretary of State's Office.

APPLIED HEALTH SCIENCE, B.S.

Recent research findings, along with rising health-care costs, have spurred an interest in keeping people healthy to improve their quality of life and also to avoid unnecessary medical expenses. Therefore, the Applied Health Science major's focus is on helping individuals achieve optimal health and fitness while leading more balanced and meaningful lives, rather than discovering or treating disease. This cross-disciplinary, four-year bachelor of science degree combines the study of biology, anatomy and physiology, nutrition, fitness assessment and exercise prescription, community health and welfare, and the prevention and control of disease to prepare graduates to work in hospital wellness centers, medically-based fitness facilities, sports performance facilities, public and privately owned health clubs, corporate fitness centers, colleges/universities, YMCAs/JCCs, and recreational/athletic sites as directors, fitness managers, supervisors, exercise leaders, elite personal trainers and sports performance coaches. Depending on electives completed, there are several excellent career and graduate school options to pursue, including: exercise science, public health (MPH), business administration (MBA), recreational therapy (MS), or nutritional science (MS). The proposed course plan in Health, Nutrition, and Wellness also prepares students for certifications offered through the American College of Sports Medicine (the Health Fitness Specialist-HFS and/or Personal Training certification) and the National Strength and Conditioning Association (Certified Strength and Conditioning Specialist-CSCS and/ or Certified Personal Trainer). These students are NOT eligible to take the National Athletic Trainers' Association BOC examination.

Applied Health Science Curriculum Outline

In Addition to meeting all Piedmont College General Education (p. 50) and graduation (p. 39) requirements, all students must also earn a C or better in all prerequisite, supporting, and applied health science core courses and have a cumulative 2.5 GPA to graduate.

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Applied Health Science Foundation

BIOL 1101	General Biology I	3
BIOL 2150	Medical Microbiology	4
HSCS 2210	Basic Nutrition	3
MATH 1100	College Algebra OR	3
MATH 1113	Precalculus OR	3
MATH 2450	Calculus I	4

Subtotal: 13-14

BIOL 2100, BIOL 2110, BLAB 1101, MATH 2100, PSYC 2290: Courses required by Applied Health Science included under General Education and not counted again here.

Applied Health Science Concentration

All Required.		
HSCS 2202	Care and Prevention	3
EDPE	Elective	1

HSCS 1101	Emergency Techniques	2
HSCS 1110	Introduction to Health Sciences	3
HSCS 2221	Kinesiology and Biomechanics	3
HSCS 2270	Clinical Nutrition	3
HSCS 2301	Health Promotion, Physical Activity, and Wellness	3
HSCS 3301	Physiology of Exercise	4
HSCS 3302	Pathology and Pharmacology	4
HSCS 3321	Fitness Assessment and Prescription	3
HSCS 3331	Nutrition Through the Life Cycle	3
HSCS 3395	Cross-Cultural Health	3
HSCS 3440	Sport Psychology	3
HSCS 4410	Research Methodology in Health Sciences	3
HSCS 4411	Health Policy, Law, and Issues	3
HSCS 4420	Exercise for Special Populations	3
HSCS 4440	Sport Nutrition	3
HSCS 4450	Health Sciences Capstone (Capstone Course)	3

Subtotal: 56

EDPE Elective: 1 hour of credit

General Electives**Subtotal: 5-6**

Subtotal: 121

Course Descriptions (p. 165)

ATHLETIC TRAINING**ATHLETIC TRAINING, B.S.**

Athletic trainers are allied health care professionals who collaborate with physicians to optimize patient and client activity and participation. Athletic training encompasses the prevention, diagnosis, and treatment of emergency, acute, and chronic medical conditions involving impairment, functional limitations, and disabilities. (www.NATA.org)

The B.S. in Athletic Training prepares students to become entry-level athletic trainers and qualifies them to take the BOC Exam (national board exam). It is a rigorous academic program that includes course work in athletic training, anatomy, physiology, exercise physiology, psychology, and other science related courses. A degree in Athletic Training offers graduates opportunities to practice in a variety of settings. These settings include, but are not limited to, high school, college, and professional athletics, outpatient clinics, industrial rehabilitation sites, physician practices, the performing arts, safety settings, and higher education. Acceptance into the Athletic Training Education Program is competitive and not guaranteed.

Once admitted into the program, students are required to maintain an overall minimum cumulative GPA of 2.7 and satisfactory performance during the clinical experiences to remain active in the athletic training education program. Failure to maintain a cumulative 2.7 GPA for one semester will result in a one-semester probation. If the student has two consecutive semesters with a cumulative GPA below 2.7, they will be removed from the program and advised into a suitable major.

Any student earning less than a C in a pre-requisite, supporting, or required core course must repeat that course. If the course in question is a prerequisite for another course, they may not take the second course until achieving a C in the original. In addition to the Piedmont College graduation requirements, Athletic Training Majors must also complete a minimum of 900 hours of practical clinical experience (as assigned by the Program) and the Skills Master Log prior to graduation.

The Athletic Training Program is accredited through the CAATE (Commission on Accreditation of Athletic Training Education; www.caate.net). A CAATE-accredited degree in Athletic Training is necessary for students to be eligible to sit for the National Board of Certification Exam and practice as Certified Athletic Trainers.

In 2015, the CAATE, in partnership with the NATA and Board of Certification, announced the mandatory transition of all undergraduate professional Athletic Training programs to the graduate level. To meet this goal, Piedmont College will begin a 3+2 program in Fall 2017, in which incoming undergraduate students who wish to become Certified Athletic Trainers will earn both bachelor's and master's degrees in five academic years. This program will also allow students who hold a bachelor's degree from another institution to complete the master's in two academic years (beginning Summer 2019).

Athletic Training Curriculum Outline

Bachelor of Science Degree (no longer admitting students)

(Students admitted to the program prior to Fall 2017 will earn a Bachelor of Science degree.)

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Athletic Training Foundation

BIOL 1101	General Biology I	3
BIOL 2150	Medical Microbiology	4
HSCS 2210	Basic Nutrition	3
MATH 1100	College Algebra	3
	OR	
MATH 1113	Precalculus	3
	OR	
MATH 2450	Calculus I	4

Subtotal: 13-14

BIOL 2100, BIOL 2110, BLAB 1101, MATH 2100, PSYC 2290: Courses required by Athletic Training included under General Education and not counted again here.

Athletic Training Concentration

All Required.

ATRG 1120	Practical Techniques in Athletic Training	2
ATRG 2201	Practicum I in Athletic Training	2
HSCS 2202	Care and Prevention	3
ATRG 2221	Practicum II in Athletic Training	2
ATRG 2222	Therapeutic Modalities	4
ATRG 3301	Practicum III in Athletic Training	2
ATRG 3303	Orthopedic Assessment: Upper Extremity	3
ATRG 3321	Practicum IV in Athletic Training	2
ATRG 3322	Therapeutic Exercise	4
ATRG 3323	Orthopedic Assessment: Lower Extremity	3
ATRG 4401	Practicum V in Athletic Training	2
ATRG 4402	Organization and Administration of AT Programs	3
ATRG 4420	Senior Seminar (Capstone Course)	3
ATRG 4421	Practicum VI in Athletic Training	2
HSCS 1101	Emergency Techniques	2
HSCS 1110	Introduction to Health Sciences	3
HSCS 2221	Kinesiology and Biomechanics	3
HSCS 3301	Physiology of Exercise	4
HSCS 3302	Pathology and Pharmacology	4
HSCS 3321	Fitness Assessment and Prescription	3
HSCS 4410	Research Methodology in Health Sciences	3

Subtotal: 59

BIOL 1101, BLAB 1101, HSCS 1101, HSCS 1110: Required pre-requisite courses for athletic training program.

Subtotal: 121

ATHLETIC TRAINING, 3+2 MASTER OF SCIENCE (INCLUDING B.S. IN

EXERCISE AND SPORT SCIENCE)

(Pending SACSCOC Approval - Students admitted beginning Fall 2017 will earn the 3+2 Master of Science Degree.)

Admission Criteria

Acceptance into the Athletic Training Program is competitive and not guaranteed. Prospective students must meet the minimum criteria listed below to be considered for admission to the program:

- Ability to meet the Technical Standards of Admission as documented by a licensed physician, nurse practitioner, or physician's assistant
- Admission to Piedmont College
- Declare Athletic Training as a major
- "C" or better on all required pre-requisite coursework
- Completed application, cover letter, and professional resume (due January 15th)
- Copy of unofficial transcripts
- 35 clinical observation hours with a Certified Athletic Trainer
- Copy of First Aid and CPR-PRO or BLS certification cards
- Copy of immunization records, including Hepatitis B and a TB skin test (within 12 months)
- Overall cumulative minimum GPA of 2.80
- Proof of bloodborne pathogens training
- Two letters of recommendation (if already enrolled at Piedmont, one must be from a faculty or staff member)
- Successful background check and drug screen (must use the College's designated company for both)
- Successful interview (Interviews are extended in February)

Provisional Admission Criteria:

Prospective students must have completed, or be currently enrolled in, the following courses when applying to the Athletic Training program (only grades of "C" or better will be accepted):

- All students applying in their 3rd year from Piedmont College or transferring from an outside institution must have all General Education Core courses, Major Track courses, and a minimum of 90 credit hours completed by the end of the application semester

Transfer Policy:

- An application for admission with the required essay
- Official transcripts from each college, university, or technical school attended. Transfer applicants must present a satisfactory academic record (normally at least a 2.0 on a 4.0 scale with all grades being considered) from each institution attended
- Only courses from regionally accredited institutions and foreign institutions approved for semester abroad will be accepted for credit
- Courses from regionally accredited technical colleges in the State of Georgia may be accepted pursuant to Articulation Agreements between Piedmont College and the specific technical college
- Only grades of "C" or higher are transferred in all courses
- Developmental, orientation, student-assembly, and cultural-events credits are nontransferable

Graduation Requirements:

- Completion of a minimum of 150 credit hours, of which all 66hrs in the professional phase of the program must be completed at Piedmont College
- Complete all professional phase required courses and elective coursework with no more than one grade lower than a “B”
- Have a cumulative GPA of at least 3.0
- Demonstrate satisfactory performance during the clinical experiences ($\geq 70\%$ on all evaluations)
- Complete all required skills as documented in the Master Log
- Complete all required clinical hours (975 hrs minimum) as documented in the four Practicum courses

Athletic Training (3+2) Curriculum Outline

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Exercise and Sport Science Foundation

BIOL 1101	General Biology I	3
BIOL 2150	Medical Microbiology	4
HSCS 2210	Basic Nutrition	3
MATH 2450	Calculus I	4

Subtotal: 14

BIOL 2100, BIOL 2110, BLAB 1101, MATH 2100, PSYC 2290: Courses required by Athletic Training included under General Education and not counted again here.

Exercise and Sport Science Concentration

HSCS 2202	Care and Prevention	3
CHEM 1101	General Chemistry I	3
CHEM 1102	General Chemistry II	3
CHEM 2351	Organic Chemistry I	4
CHEM 4210	Biochemistry	3
HSCS 1101	Emergency Techniques	2
HSCS 1110	Introduction to Health Sciences	3
HSCS 2221	Kinesiology and Biomechanics	3
HSCS 3301	Physiology of Exercise	4
HSCS 3321	Fitness Assessment and Prescription	3
PHYS 2110	General Physics I	4
PHYS 2120	General Physics II	4

Subtotal: 45

Athletic Training Concentration (Anticipated to be offered in 2019-2020 - Pending SACSCOC Approval)

ATRG 5120	Practical and Emergency Techniques in Athletic Training	3
ATRG 5125	Physical Assessment	3
ATRG 5200	Clinical Skills I	2
ATRG 5201	Practicum I in Athletic Training	2
ATRG 5220	Clinical Skills II	2
ATRG 5221	Practicum II in Athletic Training	2
ATRG 5222	Therapeutic Modalities	4
ATRG 5303	Orthopedic Assessment: Upper Extremity	3
ATRG 5322	Therapeutic Exercise	4
ATRG 5323	Orthopedic Assessment: Lower Extremity	3

ATRG 5499	Internship in Athletic Training	1-6
ATRG 6300	Clinical Skills III	2
ATRG 6301	Practicum III in Athletic Training	4
ATRG 6320	Clinical Skills IV	2
ATRG 6321	Practicum IV in Athletic Training	5
ATRG 6402	Organization and Administration of AT Programs	3
ATRG 6420	Senior Seminar (Capstone Course)	3
HSCS 5302	Pathology and Pharmacology	4
HSCS 5301	Health Promotion, Physical Activity, and Wellness	3
	OR	
HSCS 5340	Sport Psychology	3
HSCS 5410	Research Methodology in Health Sciences	3
HSCS 5411	Health Policy, Law, and Issues	3
HSCS 5420	Exercise for Special Populations	3
	OR	
HSCS 5440	Sport Nutrition	3

Subtotal: 66

CARDIOVASCULAR TECHNOLOGY (CVT)

Cardiovascular Technologists use medical imaging tools to sample and/or record anatomic and physiologic data which help physicians diagnose cardiac (heart) and peripheral vascular (blood vessel) ailments. The four main areas of professional practice are: Invasive cardiology- Cardiac Catheterization, Noninvasive cardiology-Echocardiography, Noninvasive peripheral vascular study-Vascular Ultrasound, and Cardiac electrophysiology (www.caahep.org). This four-year Bachelor of Science degree program is a collaborative effort between Piedmont College and the Northeast Georgia Heart Center, and provides students a blend of traditional classroom-based instruction and focused clinical experiences to prepare them for careers in cardiovascular diagnostics. The first three years of this combined program are held on Piedmont's Demorest campus, where students complete preliminary coursework with an emphasis on critical thinking and scientific principles. The fourth year consists of specialized didactic and clinical instruction at the Northeast Georgia Heart Center (Gainesville, GA). Admission to the program is competitive and not guaranteed.

Admission Criteria

See General Education Requirements (p. 50) (these apply to degree-seeking students only).

Prospective students must meet the minimum criteria listed below to be considered for admission to the program:

- Separate application to the CVTE program
- "C" or better on all prerequisite and required general education courses.
- Only two lab science courses may be repeated one time; failure of more than two science courses or a second failure in any one science course results in ineligibility for admission to the program
- Students must maintain a 2.5 cumulative GPA and earn a "C" or better in all Science (BIOL, CHEM, PHYS), Health Science (HSCS), and Cardiovascular Technology (CVTE) courses.
- In instances where a course has been repeated for a higher grade, the higher grade will be counted only if the first grade is a "D" or "F." If the initial grade was a "C" or higher, repeat grades will not be counted
- Successful completion of a CVTE admissions interview, including:
 - Official Transcripts from all colleges attended
 - Proof of current health and accident insurance
 - Current physical examination by either a licensed physician or nurse practitioner
 - Proof of immunizations (measles, mumps, rubella, and varicella) or appropriate titer to prove immunities

- Proof of current tetanus, two-step PPD tuberculin test or chest x-ray results for converters, and hepatitis B vaccination (preferably two of the three injections completed)
- Proof of current CPR for health professionals certification
- Successful completion of a criminal background check and drug screen approved by the School of Nursing and Health Sciences

Course Descriptions (p. 165)

CARDIOVASCULAR TECHNOLOGY, B.S.

Cardiovascular Technology Curriculum Outline

In Addition to meeting all Piedmont College General Education (p. 50) and graduation (p. 39) requirements, all students must also earn a C or better in all prerequisite, supporting, and cardiovascular technology core courses and have a cumulative 2.7 GPA to graduate.

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Cardiovascular Technology Foundation

BIOL 1101	General Biology I	3
BIOL 2150	Medical Microbiology	4
MATH 2450	Calculus I	4

Subtotal: 11

BIOL 2100, BIOL 2110, BLAB 1101, MATH 2100, PSYC 2290: Courses required by Cardiovascular Technology included under General Education and not counted again here.

Cardiovascular Technology Concentration

All Required.

BIOL 1102	General Biology II	3
CHEM 1101	General Chemistry I	3
CHEM 1102	General Chemistry II	3
CSCI 1101	Introduction to Information Technology	3
CVTE 4010	Ultrasound Physics	4
CVTE 4012	Electrocardiographic Anatomy and Physiology	2
CVTE 4014	Echocardiography Pathology I	5
CVTE 4016	Electrocardiography	2
CVTE 4020	Cardiac Pharmacology	2
CVTE 4022	Principles of Vascular Ultrasound	5
CVTE 4024	Cardiovascular Technology	2
CVTE 4026	Echocardiography Pathology II	4
CVTE 4028	Practicum I	2
CVTE 4400	Practicum II	2
HSCS 1101	Emergency Techniques	2
HSCS 3302	Pathology and Pharmacology	4
HSCS 3330	Health Care Finance	3
HSCS 4410	Research Methodology in Health Sciences	3
HSCS 4411	Health Policy, Law, and Issues	3
HSCS 4450	Health Sciences Capstone (Capstone Course)	3
PHYS 2110	General Physics I	4

Subtotal: 67

PHYS 2110: (MATH 2450 is the pre-requisite)

Subtotal: 124

CARDIOVASCULAR TECHNOLOGY, CERTIFICATE-ONLY

Certificate-only is an option (not a degree program) which may be requested by a prospective candidate who holds either a Bachelor's or Associate's degree from an accredited institution in a health-related field (which must include a two course sequence in Human Anatomy and Physiology with Labs). Students pursuing a certificate only will complete 11 professional education courses (31 credits) and a concurrent one-year internship at the Northeast Georgia Heart Center beginning in the fall semester and finishing the following summer. Admission requirements are the same as those for degree-seeking students.

Certificate-Only Courses:

CVTE 4010	Ultrasound Physics	4
CVTE 4012	Electrocardiographic Anatomy and Physiology	2
CVTE 4014	Echocardiography Pathology I	5
CVTE 4016	Electrocardiography	2
CVTE 4020	Cardiac Pharmacology	2
CVTE 4022	Principles of Vascular Ultrasound	5
CVTE 4024	Cardiovascular Technology	2
CVTE 4026	Echocardiography Pathology II	4
CVTE 4028	Practicum I	2
CVTE 4400	Practicum II	2
HSCS 4411	Health Policy, Law, and Issues	3

EXERCISE AND SPORT SCIENCE, B.S.

Exercise and Sport Science is the study of movement and the associated functional responses and adaptations the human body experiences. This major will provide theoretical foundations for functional assessments, exercise testing, and exercise prescription in both healthy and clinical populations. This four-year Bachelor of Science degree program is offered on the Demorest campus and will give students hands on experience and skill preparation to assess clients and plan human movement-based programs that meet their health and wellness needs. This rigorous, multidisciplinary program incorporates classes from the traditional sciences (Biology, Chemistry, and Physics), health sciences (Anatomy, Physiology, and Nutrition), and athletic training (Orthopedic Assessment, Therapeutic Exercise, and Biomechanics). The proposed course plan in Exercise and Sport Science prepares students for a variety of careers and graduate programs, including prerequisites for physical therapy, athletic training, and medical school and certifications offered through the American College of Sports Medicine (the Health Fitness Specialist-HFS and/or Personal Training certification) and the National Strength and Conditioning Association (Certified Strength and Conditioning Specialist-CSCS and/ or Certified Personal Trainer). These students are NOT eligible to take the National Athletic Trainers' Association BOC examination.

Exercise and Sport Science Curriculum Outline

In addition to meeting all Piedmont College General Education (p. 50) and graduation (p. 39) requirements, all students must also earn a C or better in all prerequisite, supporting, and exercise and sport science core courses and have a cumulative 2.7 GPA to graduate.

Bachelor Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Exercise and Sport Science Foundation

BIOL 1101	General Biology I	3
BIOL 2150	Medical Microbiology	4
HSCS 2210	Basic Nutrition	3
MATH 2450	Calculus I	4

Subtotal: 14

BIOL 2100, BIOL 2110, BLAB 1101, MATH 2100, PSYC 2290: Courses required by Exercise and Sport Science included under General Education and not counted again here.

Exercise and Sport Science Concentration

All Required.

HSCS 2202	Care and Prevention	3
CHEM 1101	General Chemistry I	3
CHEM 1102	General Chemistry II	3
CHEM 2351	Organic Chemistry I	4
CHEM 4210	Biochemistry	3
HSCS 1101	Emergency Techniques	2
HSCS 1110	Introduction to Health Sciences	3
HSCS 2221	Kinesiology and Biomechanics	3
HSCS 3301	Physiology of Exercise	4
HSCS 3302	Pathology and Pharmacology	4
HSCS 3321	Fitness Assessment and Prescription	3
HSCS 4410	Research Methodology in Health Sciences	3
HSCS 4420	Exercise for Special Populations	3
HSCS 4440	Sport Nutrition	3
HSCS 4450	Health Sciences Capstone (Capstone Course)	3
PHYS 2110	General Physics I	4
PHYS 2120	General Physics II	4

Subtotal: 57

PHYS 2110: (MATH 2450 is the pre-requisite)

General Electives

Subtotal: 4

Subtotal: 121

Course Descriptions (p. 165)

SPORT AND FITNESS ADMINISTRATION, B.S.

Sport and Fitness Administration is a branch of health sciences that combines the study of the human body and foundational business concepts. Graduates provide clients with health and fitness assessments, skill training, recommendations for community health and welfare, and have the ability to create, conduct, and assess sport and fitness programming. Sport and Fitness Administrators are frequently employed in secondary school, college, or professional sports, out-patient wellness facilities, community and commercial fitness and recreation, equipment sales, and coaching. Students will also have completed the prerequisites to enter Piedmont's Masters of Business Administration (MBA) program to continue advanced studies in sports administration, coaching, or public health.

Sport and Fitness Administration Curriculum Outline

In addition to meeting all Piedmont College General Education (p. 50) and graduation (p. 39) requirements, all students must also earn a C or better in all prerequisite, supporting, and exercise and sport science core courses and have a cumulative 2.5 GPA to graduate.

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101	Intro to College Life and Liberal Arts Tradition	1
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Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Sport and Fitness Administration Foundation

BIOL 1101	General Biology I	3
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BIOL 2150	Medical Microbiology	4
HSCS 2210	Basic Nutrition	3
MATH 1100	College Algebra OR	3
MATH 1113	Precalculus OR	3
MATH 2450	Calculus I	4

Subtotal: 13-14

BIOL 2100, BIOL 2110, BLAB 1101, BUSA 1210, MATH 2100, PSYC 2290: Courses required by Sport and Fitness Administration included under General Education and not counted again here.

Sport and Fitness Administration Concentration

ACCT 2010	Accounting I	3
ACCT 2020	Accounting II	3
HSCS 2202	Care and Prevention	3
BUSA 3010	Management	3
BUSA 3200	Marketing	3
BUSA 3210	Global Economics	3
BUSA 3340	Sports Economics	3
BUSA 3700	Project Management	3
BUSA 4120	Sports Marketing	3
HSCS 1101	Emergency Techniques	2
HSCS 1110	Introduction to Health Sciences	3
HSCS 2221	Kinesiology and Biomechanics	3
HSCS 2301	Health Promotion, Physical Activity, and Wellness	3
HSCS 3321	Fitness Assessment and Prescription	3
HSCS 3440	Sport Psychology	3
HSCS 4410	Research Methodology in Health Sciences	3
HSCS 4411	Health Policy, Law, and Issues	3
HSCS 4440	Sport Nutrition	3
HSCS 4450	Health Sciences Capstone (Capstone Course)	3
HSCS 4499	Internship in Health Sciences	1-6

Subtotal: 59**General Electives**

Subtotal: 121

Subtotal: 2-3

Course Descriptions (p. 165)

HEALTH CARE ADMINISTRATION, B.S.

This degree is a broad-based, multidisciplinary degree that will prepare students to work in a variety of settings and will also prepare the student for graduate education. The health science core contains coursework in pathology, pharmacology, health promotion, health policy, and finance, and is complemented by classes in accounting, economics, and management from the School of Business. This gives students a solid healthcare foundation from which to understand their clients' needs and the business acumen to deliver results. Healthcare administrators are found in both in- and out-patient medical and wellness facilities, hospitals, corporate fitness and recreation centers, equipment sales, the insurance industry, and patient advocacy groups. Students will also have completed the prerequisites to enter Piedmont's Masters of Business Administration (MBA) program or continue advanced studies in sports administration, coaching, and public health.

Health Care Administration Curriculum Outline

In addition to meeting all Piedmont College General Education (p. 50) and graduation (p. 39) requirements, all students must also earn a C or better in all prerequisite, supporting, and healthcare administration core courses and have a cumulative 2.5 GPA to graduate.

Bachelor of Science Degree

General Education

Subtotal: 46

Piedmont College Requirement

PDMT 1101 Intro to College Life and Liberal Arts Tradition 1

Subtotal: 1

Students who have not completed a minimum of 24 semester credit hours of college-level coursework upon admission to Piedmont College must meet this college requirement.

Health Care Administration Foundation

BIOL 1101	General Biology I	3
BIOL 2150	Medical Microbiology	4
HSCS 2210	Basic Nutrition	3
MATH 1100	College Algebra OR	3
MATH 1113	Precalculus OR	3
MATH 2450	Calculus I	4

Subtotal: 13-14

BIOL 2100, BIOL 2110, BLAB 1101, MATH 2100, PSYC 2290: Courses required by Health Care Administration included under General Education and not counted again here.

Health Care Administration Concentration

All Required.

ACCT 2010	Accounting I	3
ACCT 2020	Accounting II	3
BUSA 1210	Principles of Economics	3
BUSA 2030	Information Systems for Business	3
BUSA 3010	Management	3
BUSA 4320	Human Resource Management	3
BUSA 4550	Organizational Behavior and Leadership Theories	3
HSCS 1105	Medical Terminology	2
HSCS 2200	Introduction to Health Professions	3
HSCS 2301	Health Promotion, Physical Activity, and Wellness	3
HSCS 3302	Pathology and Pharmacology	4
HSCS 3330	Health Care Finance	3
HSCS 3395	Cross-Cultural Health	3
HSCS 4410	Research Methodology in Health Sciences	3
HSCS 4411	Health Policy, Law, and Issues	3
HSCS 4450	Health Sciences Capstone (Capstone Course)	3

Subtotal: 48

General Electives

Subtotal: 14-15

Subtotal: 121

Course Descriptions (p. 165)

HEALTH SCIENCE, MINOR

A minor in Health Science requires 18 hours of coursework (6 courses)

Required Courses

HSCS 2301	Health Promotion, Physical Activity, and Wellness	3
HSCS 2270	Clinical Nutrition	3

Students must choose four additional courses from the following:

HSCS 3321	Fitness Assessment and Prescription	3
HSCS 3331	Nutrition Through the Life Cycle	3
HSCS 3395	Cross-Cultural Health	3
HSCS 3440	Sport Psychology	3
HSCS 4411	Health Policy, Law, and Issues	3
HSCS 4420	Exercise for Special Populations	3
HSCS 4440	Sport Nutrition	3

Total Credit Hours: 18**COACHING CONCENTRATION**

The concentration in Coaching prepares students for entry-level coaching positions in a variety of youth and adult sport and recreation settings, including schools and colleges, community sports programs, and professional sports. Students will apply principles related to all aspects of coaching, including player, team, and administrative communication, leadership, and planning and concepts associated with an athlete's physical, social, and psychological well-being during a two-credit internship (field experience) with a Coach or appropriate Athletics Administrator. All concentration courses must be complete or in-progress to enroll in the internship (HSCS 4499). The concentration is open to all students regardless of major.

A concentration in Coaching requires 13 hours of coursework (5 courses)**Required Courses**

HSCS 1101	Emergency Techniques	2
HSCS 2321	Principles of Athletic Coaching	3
HSCS 3430	Athletic Administration	3
HSCS 3440	Sport Psychology	3
HSCS 4499	Internship in Health Sciences	1-6

Total Credit Hours: 13

COURSES

ACCT - ACCOUNTING

ACCT 2010 - Accounting I (3)

The recording, summarizing, reporting and analyzing of economic activities of a business organization. Equivalent to a first course in accounting principles, the central focus is on the financial statements that are required for external reporting, including the formulation of these statements and their application to decision making.

Prerequisite: none. Offered: Athens Campus: spring evening, summer evening — Demorest Campus: fall day, spring day.

ACCT 2020 - Accounting II (3)

Introduction to the fundamentals of management accounting for students who already have a basic knowledge of financial accounting. Topics include cost accumulation and product costing, managerial decision-making, and planning and control.

Prerequisite: ACCT 2010. Offered: Athens Campus: spring evening, summer evening — Demorest Campus: fall day, spring day.

ACCT 2034 - Boot Camp on Visio and Powerpoint (1)

This course explores the capabilities of Powerpoint and Visio in the specific areas of overlapping functions, accounting uses for both. Presentation best practices.

Prerequisite: none. Offered: Athens Campus: TBA — Demorest Campus: TBA.

ACCT 2200 - Tax Accounting (3)

Federal income tax fundamentals under the latest amendments to the Internal Revenue Code as applicable to the individual's taxes, credits, inclusions in and exclusions from gross income, capital gains and losses, dividends and allowable deductions.

Prerequisite: ACCT 2020. Offered: Athens Campus: fall hybrid — Demorest Campus: fall hybrid.

ACCT 3010 - Intermediate Accounting I (3)

Accounting theory and practice with a review of accounting principles concepts, and a focus on the assets of a business, including cash, receivables, inventories, intangible and tangible fixed assets.

Prerequisite: ACCT 2020. Offered: Athens Campus: summer evening — Demorest Campus: fall day.

ACCT 3020 - Intermediate Accounting II (3)

Accounting theory and practice with a focus on the liabilities and shareholders' equity of a business, with some additional coverage of investments, earnings per share, and the statement of cash flows.

Prerequisite: ACCT 3010. Offered: Athens Campus: summer evening — Demorest Campus: spring day.

ACCT 3100 - Cost Accounting (3)

Cost elements and classifications, job and process cost systems, cost/volume/profit analysis, budgeting, pricing, and other management decision making.

Prerequisite: ACCT 2020. Offered: Athens Campus: spring evening — Demorest Campus: spring day.

ACCT 3306 - Applied Ethics (3)

Students will examine a variety of personal, social and professional ethical issues and problems in a seminar setting. The course will emphasize current events, and promote the development of critical thinking skills and sound ethical reasoning.

Prerequisite: none. Crosslisted as: BUSA 3306. Offered: Athens Campus: fall evening, summer evening — Demorest Campus: fall day, fall evening, spring day.

ACCT 4200 - Corporate Tax (3)

This course reviews the tax aspects of corporate formations, including corporate characteristics, transfers to controlled corporations, corporate capital structure, the income tax calculations for corporate entities and elections. Topics covered include corporate stockholder relationships, corporate distributions, corporate redemptions and partial liquidation, accumulated earnings, and personal holding companies.

Prerequisite: ACCT 2200. Offered: Athens Campus: spring hybrid — Demorest Campus: spring hybrid.

ACCT 4500 - Advanced Accounting (3)

Special problems relating to consolidated statements, fiduciaries, governmental and institutional units.

Prerequisite: ACCT 3020. Offered: Athens Campus: fall evening — Demorest Campus: spring day.

ACCT 4600 - Auditing (3)

Qualifications and responsibilities of the public accountant; introduction to basic auditing objectives, standards, ethics, terminology, procedures, working papers and reports.

Prerequisite: ACCT 3020. Offered: Athens Campus: fall evening — Demorest Campus: fall day.

ACCT 4700 - Accounting Internship (3)

Through actual work experience and/or an applied job related project, the student has a chance to apply business related skills and concepts. Each student is directed by a college supervisor and is expected to prepare a report and a self-evaluation of this experience.

Prerequisite: Permission of the instructor. Offered: Athens Campus: summer and TBA — Demorest Campus: summer and TBA.

ACCT 4980 - Special Topics: Entrepreneurship (1-3)

The content and credit hours for this course vary. Consult the schedule for topics and hours available for the semester.

Prerequisite: none. Crosslisted as: BUSA 4980. Offered: Athens Campus: TBA — Demorest Campus: TBA.

ACCT 4990 - Special Topics (1-3)

The content and credit hours for this course vary. Consult the schedule for topics and hours available for the semester.

Prerequisite: none. Crosslisted as: BUSA 4990. Offered: Athens Campus: TBA — Demorest Campus: TBA.

ACCT 4991 - Special Topics (1)

The content for this course varies. Consult the schedule for topics available for the semester.

Prerequisite: none. Crosslisted as: BUSA 4991. Offered: Athens Campus: TBA — Demorest Campus: TBA.

ACCT 4992 - Special Topics (2)

The content for this course varies. Consult the schedule for topics available for the semester.

Prerequisite: none. Crosslisted as: BUSA 4992. Offered: Athens Campus: TBA — Demorest Campus: TBA.

ACCT 4993 - Special Topics (3)

The content for this course varies. Consult the schedule for topics available for the semester.

Prerequisite: none. Crosslisted as: BUSA 4993. Offered: Athens Campus: TBA — Demorest Campus: TBA.

ANTH - ANTHROPOLOGY

ANTH 1102 - Introductory Anthropology (3)

The history, methods, concepts and major contributions of anthropology.

ANTH 2250 - Cultural Anthropology (3)

Introduction to the varieties of human cultures, past and present. Survey of the thinkers and core concepts of cultural anthropology and of various societies with their differing cultural patterns.

ANTH 3200 - Human Origins and Adaptation (3)

This course introduces students to the concepts, theories, and methods of biological anthropology in the study of human origins and current biological diversity using an evolutionary framework. The course examines the ways in which humans adapted – and continue to adapt – to various habitats and environmental conditions over time and space.

ANTH 3340 - Indians of North America (3)

After a discussion concerning the Asian origins of the native peoples of the New World, the prehistory of North America is briefly presented. Major focus is on the various culture areas of native North America and the tribes found in each area in early historic times.

ANTH 3350 - Archaeology of Eastern North America (3)

Presents the prehistory of Eastern North America from circa 18,000 years ago to the early historic period (18th century A.D.). Adaptations and achievements of native peoples during each time period are discussed. Field trips to selected archaeological sites are taken.

ANTH 4450 - Archaeology of Peru (3)

This course introduces the student to the major time periods in Peruvian prehistory and the early historic period, along with the known cultural achievements of each time period. Emphasis will be given to the major civilizations which appeared in this part of the world, ending with the Inca Empire of the sixteenth century A. D. Included will be a brief look at the geography, geology, and ecological zones of Peru, and how they affected prehistoric peoples of the areas. The course will end with a look at the developments of the Colonial period.

ANTH 4475 - Selected Topics (3)

This course examines topics related to culture, politics and society that are not part of the formal offerings within the department. May be repeated for credit only if the topic changes.

ART - ART**ART 1100 - Introduction to Art (3)**

A lecture course focusing on the technical and conceptual issues dealt with in visual art, with emphasis on the historical and social significance of art.

ART 1110 - Professional Practices in the Arts (0-1)

Professional Practices in the Arts is required of all Art majors in order to develop their writing skills, portfolio, artist statement, and gallery practices. Students will use critical thinking skills in comparing, evaluating, and making informed, aesthetic judgments on the exhibitions and express those judgments using appropriate nomenclature. Students will keep an organized digital portfolio of artifacts from history and studio courses. ART 1190 will be taken every semester as an art major.

ART 1120 - Drawing I (3)

Fundamentals of drawing using a variety of subjects, with emphasis on the perception and delineation of three-dimensional form and space. Group and individual instruction. An additional 3 hours of independent studio work is required.

ART 1130 - Two-Dimensional Design (3)

Fundamentals of design and their application on a two-dimensional surface. Abstract problem solving using a variety of materials and covering a broad spectrum of concepts is included. An additional 3 hours of independent studio work is required.

ART 1140 - Three-Dimensional Design (3)

Fundamentals of design in three dimensions, exploring the elements of organization in modular and sculptural approaches. An additional 3 hours of independent studio work is required.

ART 2200 - Drawing II (3)

Emphasis on drawing the human figure. Students will work with live models. An additional 3 hours of independent studio work is required.

Prerequisite: ART 1120.

ART 2215 - Black and White Darkroom Photography (3)

Operation and use of the 35mm camera; methods of processing and printing in the black and white darkroom; and exploration of practical and artistic applications of photography. Special emphasis is placed on the analysis and understanding of the creative process, technical merit and the art of seeing. An additional 3 hours of independent studio work is required.

Prerequisite: None.

ART 2230 - Ceramics: Handbuilding (3)

Introduction to hand built techniques with emphasis on making, glazing, and firing ceramic works. Students will explore both current and historical ceramics while solving aesthetic and technical problems in clay. An additional 3 hours of independent studio work is required

Prerequisite: None.

ART 2270 - Painting I (3)

An introduction to paint and techniques used to manipulate it. Emphasis is placed on adopting a method of painting that will launch the beginner. An additional 3 hours of independent studio work is required.

Prerequisite: ART 1120.

ART 2301 - Art History: Prehistoric to Renaissance (3)

Evolution of art, prehistoric to the Renaissance, with emphasis on critical analysis.

ART 2302 - Art History: Renaissance to Present (3)

Evolution of art, Renaissance to present, with emphasis on formal and critical analysis.

ART 2660 - Sculpture I (3)

A beginning course in sculpture in which basic three-dimensional ideas are explored through carving, modeling and constructive methods. An additional 3 hours of independent studio work is required.

ART 3305 - Art of the Northern and Italian Renaissance (3)

A survey of art from Proto-Renaissance through the end of the 16th century. The formal characteristics of painting, sculpture, architecture, and some of the minor arts are analyzed in terms of stylistic and symbolic content in relation to the culture of the period.

ART 3307 - Modern Art: 19th and Early 20th Century (3)

A study of the cultural and historic roots of modern art in the 19th century and their fruition in the early decades of the 20th century. Attention is given to the relationship and influence of political, social, and economic changes on the arts of this period.

ART 3308 - Contemporary Art: 1945 to the Present (3)

A study of painting and sculpture today, beginning with the developments of the post-World War II period. Concentration is on work in the United States and Western Europe.

ART 3314 - Special Topics in Art (3)

In-depth discussion of special topics in studio art and art history with special attention to areas of the instructor's expertise. Course can be repeated with each variation of topic.

ART 3315 - Digital Photography (3)

Introduction to digital imaging practices, including but not limited to the use of DSLR cameras. Students are introduced to digital capture, editing, and printing. Emphasis is placed digital manipulation and editing skills in tandem to developing a strong creative voice. An additional 3 hours of independent studio work is required.

Prerequisite: None.

ART 3316 - Intermediate Photography (3)

Emphasis is placed on the development of professional skills in the field of photography, including solidifying a personal creative approach. Content also includes the history of photography and contemporary practices, themes and approaches to the photographic image. Student may choose to work in either the black and white darkroom or digitally. An additional three hours of independent studio work is required.

Prerequisite: ART 3315.

ART 3320 - Drawing III (3)

Emphasis is placed on finding the technique of drawing that is the best vehicle for expressing individual perception and developing a consistent pattern of visual exploration. Includes work with live models. An additional 3 hours of independent studio work is required.

Prerequisite: ART 2220.

ART 3330 - Ceramics: Wheel Throwing (3)

Introduction to wheel thrown techniques with emphasis on making, glazing, and firing ceramic works. Students will explore both current and current historical while solving aesthetic and technical problems in clay. An additional three hours of independent studio work is required.

ART 3331 - Intermediate Ceramics (3)

Continuation of wheel thrown and hand built ceramics, with the introduction of basic mold making techniques. Students will explore advanced glaze calculation and alternative firing processes as they develop a personal voice in clay. An additional three hours of independent studio work is required.

Prerequisite: ART 2230, and ART 3330.

ART 3361 - Sculpture II (3)

An examination of advanced sculpture techniques. An additional 3 hours of independent studio work is required.

Prerequisite: ART 2660.

ART 3362 - Sculpture III (3)

Exploration of the sculpture process focusing on integration of appropriate techniques required for individual expression. An additional 3 hours of independent studio work is required.

Prerequisite: ART 3361.

ART 3370 - Painting II (3)

Advanced concepts in content explored. Emphasis on experimentation with various materials and media. An additional 3 hours of independent studio work is required.

Prerequisite: ART 2270.

ART 3371 - Painting III (3)

Directed toward finding a method of painting that is best suited for expressing the student's personal vision. An additional 3 hours of independent studio work is required.

Prerequisite: ART 3370.

ART 4316 - Photography IV (3)

Photography advanced studio course with emphasis on the consistent development of in- depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: ART 3316.

ART 4317 - Photography V (3)

Photography advanced studio course with emphasis on the consistent development of in- depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: ART 4316.

ART 4320 - Drawing IV (3)

Drawing advanced studio course with emphasis on the consistent development of in-depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: ART 3320.

ART 4321 - Drawing V (3)

Drawing advanced studio course with emphasis on the consistent development of in-depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: ART 4320.

ART 4331 - Ceramics IV (3)

Ceramics advanced studio course with emphasis on the consistent development of in-depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: ART 3331.

ART 4332 - Ceramics V (3)

Ceramics advanced studio course with emphasis on the consistent development of in-depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: ART 4331.

ART 4362 - Sculpture IV (3)

Sculpture advanced studio course with emphasis on the consistent development of in-depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: ART 3362.

ART 4363 - Sculpture V (3)

Sculpture advanced studio course with emphasis on the consistent development of in-depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: ART 4362.

ART 4371 - Painting IV (3)

Painting advanced studio course with emphasis on the consistent development of in-depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: ART 3371.

ART 4372 - Painting V (3)

Painting advanced studio course with emphasis on the consistent development of in-depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: ART 4371.

ART 4420 - Art Education Experiences, B-6 (3)

Seminars, presentations and peer collaborative planning regarding curriculum and current issues in the field of art education. Scholarly targeted studies and reflections regarding the implementation of an art program for grades B-6. An emphasis on teaching studio, art history and aesthetic inquiry methods appropriate for early childhood and middle grades. Evidence of multicultural approaches to pedagogy, history and student/teacher associations will be evident in student presentations, lesson plans and course reflective pieces. Background check must be completed before the course begins. Field observations outside of class are required.

ART 4421 - Art Education Experiences, 7-12 (3)

Scholarly targeted studies regarding state and national standards in correlation to classroom practice and assessment of visual art. An emphasis on teaching studio, art history and aesthetic inquiry methods appropriate for early upper middle and high school grades. Evidence of multicultural approaches to pedagogy, history and student/teacher associations will be evident in student interviews, shadowing of children in diverse settings and reflective practices discussed in class. Short field experiences outside of class are required. Background check must be completed before the course begins. Field observations outside of class are required.

ART 4430 - Art Criticism (3)

A course designed to introduce the student to various issues involving the analysis and evaluation of works of art.

Prerequisite: 6 hours art history and Junior/Senior standing.

ART 4440 - Advanced Studies I (3)

Advanced studies into a selected medium with emphasis on the consistent development of in-depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: Permission of the department.

ART 4441 - Advanced Studies II (3)

Advanced studies into a selected medium with emphasis on the consistent development of in-depth knowledge and manipulative skills in executing a series of art works or following a single concept. An additional 3 hours of independent studio work is required.

Prerequisite: Permission of the department.

ART 4450 - Senior Capstone Seminar and Exhibition (3)

This is a capstone course focusing on the knowledge and experience gained in the student's area of specialization in art and emphasizing professional experiences and career achievement. Presentation in class will tie together information gained throughout the student's art career at Piedmont and present issues important to emerging artists. Advanced students will use this as an opportunity to put together a final portfolio to be presented for a job interview or used for graduate school application.

Prerequisite: Permission of the department.

ART 4451 - Arts Administration Capstone (1)

This is a capstone course focusing on the knowledge and experience gained in Arts administration and emphasizing professional experiences and career achievement. Presentation in class will tie together information gained throughout the student's career at Piedmont and present issues important to emerging arts administrators. Students will use this as an opportunity to put together a final portfolio to be presented for a job interview or used for graduate school application.

Prerequisite: Senior standing.

ART 4461 - Arts Administration Internship in Art I (1)

This course will provide students with the opportunity to gain practical experience by assisting in the administration of a gallery venue. Students will work directly with the organizational leadership of the venue in schedule development, artist contract negotiations, budgets, gallery setup, lighting, openings, and other areas based on the interests of the students and the needs of the organization.

Prerequisite: Consent of instructor.

ART 4462 - Arts Administration Internship in Art II (1)

A continuation of the arts administration internship in art. May be repeated for credit.

Prerequisite: ART 4461.

ART 4496 - Senior Art Education Orientation (1)

A seminar course that begins before and accompanies the practicum/student teaching experience in Art Education. Serves as information and orientation to contemporary legal, ethical and logistical concerns of the pre-service art educator as well as a symposium for collaboration with Piedmont Alumni and other current educators in the content area. This course is a Pass (P)/Fail (F) course

ART 4498 - Art Education Internship I (3)

A 90-semester-hour practicum for one semester, performed under the combined supervision of a certified teacher and the College supervisor. Applications must be completed by the posted deadline the semester prior to placement. Evidence of multicultural approaches to pedagogy, history and student/teacher associations will be evident in student interviews, shadowing of children in diverse settings and reflective practices.

Prerequisite: Admission to teacher education and hold a pre-service certificate.

ART 4499 - Art Education Internship II (9)

Internship teaching in an art education B-12 public school setting, with guided practicum experiences. Full time, off- campus schedule according to host school's posted schedule. This course is a Pass (P)/Fail (F) course.

Prerequisite: Successful completion of the appropriate GACE content tests, admission to Teacher Education, and pre-service certification.

ATRG - ATHLETIC TRAINING

ATRG 1120 - Practical Techniques in Athletic Training (2)

This course includes taping, wrapping, and bracing skills used by athletic trainers. Protective equipment fitting and removal, emergency transportation techniques, and spine boarding are also included.

Prerequisite: ATRG Program Admission or Instructor Permission.

ATRG 2201 - Practicum I in Athletic Training (2)

This laboratory course allows students to practice skills learned in their didactic courses both in the lab and under a preceptor's supervision. Students must complete 150 clinical hours and assigned proficiencies. Proof of current PPD and CPR/AED certification and signed clinical agreement are required no later than 7 days after the first day of classes.

Prerequisite: ATRG Program Admission.

ATRG 2221 - Practicum II in Athletic Training (2)

This laboratory course allows students to practice skills learned in their didactic courses both in the lab and under a preceptor's supervision. Students must complete 150 clinical hours and assigned proficiencies. Proof of current PPD and CPR/AED certification and signed clinical agreement are required no later than 7 days after the first day of classes.

Prerequisite: ATRG 2201.

ATRG 2222 - Therapeutic Modalities (4)

This course explores the therapeutic and physiologic effects, indications, and contraindications of various treatment modalities. Students will practice application of these techniques in both the laboratory component and during clinical experience hours under preceptor supervision.

Prerequisite: HSCS 1110 or Instructor permission.

ATRG 3301 - Practicum III in Athletic Training (2)

This laboratory course allows students to practice skills learned in their didactic courses both in the lab and under a preceptor's supervision. Students must complete 150 clinical hours and assigned proficiencies. Proof of current PPD and CPR/AED certification and signed clinical agreement are required no later than 7 days after the first day of classes.

Prerequisite: ATRG 2221.

ATRG 3303 - Orthopedic Assessment: Upper Extremity (3)

This course emphasizes evaluation, diagnosis, and treatment of sports-related head, neck, abdomen, and upper extremity injuries and conditions. Special attention will be given to inspection, palpation, and special testing of bony, neurological, vascular, muscular, and inert soft tissues.

Prerequisite: Pre- or Co-requisites: ATRG 2202 and HSCS 2221.

ATRG 3321 - Practicum IV in Athletic Training (2)

This laboratory course allows students to practice skills learned in their didactic courses both in the lab and under a preceptor's supervision. Students must complete 150 clinical hours and assigned proficiencies. Proof of current PPD and CPR/AED certification and signed clinical agreement are required no later than 7 days after the first day of classes.

Prerequisite: ATRG 3301.

ATRG 3322 - Therapeutic Exercise (4)

An examination of the theory, use, and effects of rehabilitative exercises used in the treatment of orthopedic injuries. Students will practice designing and implementing comprehensive rehabilitative programs in both the laboratory component and during clinical experience hours under preceptor supervision.

Prerequisite: ATRG 2202 and HSCS 2221.

ATRG 3323 - Orthopedic Assessment: Lower Extremity (3)

Course emphasizes evaluation, diagnosis, and treatment of sports-related lumbar spine, pelvic, and lower extremity injuries and conditions. Special attention will be given to inspection, palpation, and special testing of bony, neurological, vascular, muscular, and inert soft tissues and gait analysis.

Prerequisite: Pre- or Co-requisites: ATRG 2202 and HSCS 2221.

ATRG 4401 - Practicum V in Athletic Training (2)

This laboratory course allows students to practice skills learned in their didactic courses both in the lab and under a preceptor's supervision. Students must complete 150 clinical hours and assigned proficiencies. Proof of current PPD and CPR/AED certification and signed clinical agreement are required no later than 7 days after the first day of classes.

Prerequisite: ATRG 3321.

ATRG 4402 - Organization and Administration of AT Programs (3)

Examination of athletic training facility organization and administration, including: budgeting, legal concerns, leadership theories, facility and event planning, program and personnel evaluation, human resource management, insurance and risk management practices, and the NATA Code of Ethics.

Prerequisite: ATRG 3321 or instructor permission.

ATRG 4420 - Senior Seminar (Capstone Course) (3)

This course includes BOC exam preparation, professional resume/vitae development, and interview skills practice. Each student will also complete an original research project, write a professional report, and present the results of the study to the faculty, staff, and students.
CAPSTONE COURSE

Prerequisite: HSCS 4410.

ATRG 4421 - Practicum VI in Athletic Training (2)

This laboratory course allows students to practice skills learned in their didactic courses both in the lab and under a preceptor's supervision. Students must complete 150 clinical hours and assigned proficiencies. Proof of current PPD and CPR/AED certification and signed clinical agreement are required no later than 7 days after the first day of classes.

Prerequisite: ATRG 4401.

ATRG 4499 - Internship in Athletic Training (1-6)

Supervised clinical experience in an approved setting. Students must complete 75 clinical hours per academic credit hour. Internship application and proof of affiliated site agreement, memo of supervisor understanding, and signed clinical agreement are required no later than 14 days BEFORE the first day of the internship. Can be repeated for a total of 6 hours.

Prerequisite: Instructor permission.

BIOL - BIOLOGY**BIOL 1101 - General Biology I (3)**

Introduction to the chemical and cellular basis of life: cell structure, photosynthesis, respiration, nutrient procurement and processing, gas exchange, internal transport, chemical and nervous control of body functions, and reproduction. Lecture and laboratory.

Corequisite: BLAB 1101 or passing grade in BLAB 1101.

BIOL 1102 - General Biology II (3)

Continuation of BIOL 1101 Basic patterns of inheritance, nature of genes, embryological development, evolution, principles of taxonomy, survey of living organisms and ecology. Lecture and laboratory.

Prerequisite: BIOL 1101 and BLAB 1101.

BIOL 2100 - Human Anatomy and Physiology I (4)

The purpose of this course is to create student understanding of the structure and function of the human body, ultimately leading to a high degree of professional proficiency in allied health and physical education fields. The topics to be covered include basic biological

concepts as they relate particularly to the human body, the skeletal system, cardiovascular system, circulatory system, etc. Lecture and Laboratory.

Prerequisite: BIOL 1101 and BLAB 1101.

BIOL 2110 - Human Anatomy and Physiology II (4)

The purpose of this course is to create student understanding of the structure and function of the human body, ultimately leading to a high degree of professional proficiency in allied health and physical education fields. The topics to be covered include the digestive system, urinary system, reproductive system, immune system, central nervous system, electrolyte balance, etc. Lecture and laboratory.

Prerequisite: BIOL 2100 It is a continuation course of BIOL 2100.

BIOL 2150 - Medical Microbiology (4)

Introduction to the study of microorganisms, with particular emphasis on those that relate to human health.

Prerequisite: BIOL 2100.

BIOL 2240 - Genetics (4)

Study of Mendelian genetics, variations and mutations, including the mechanics of DNA. Laboratory emphasis on the examination of *Drosophila* as an example of simple inheritance and linkage. Lecture and laboratory.

Prerequisite: BIOL 1102 and BLAB 1102.

BIOL 3050 - Current Topics in Environmental Biology (2)

This is a seminar course designed to inform and engage students about current issues in Environmental Biology. Students will critically review current research in the area of Environmental Biology through readings, discussions, analyses, and presentations. Lecture only.

Prerequisite: BIOL 1102 and BLAB 1102.

BIOL 3200 - General Microbiology (4)

Study of the biology of microorganisms including classification, ecology and pathology of viruses, bacteria and molds. Lecture and laboratory.

Prerequisite: BIOL 1102 and BLAB 1102. CHEM 1102 and CLAB 1102 recommended.

BIOL 3300 - Cell Biology (3)

The morphology, fine structure, ultrastructure, and chemical pathways of prokaryotic and eukaryotic cells are covered. Organelles, biochemical pathways, cell communication and signaling are included. Lecture only

Prerequisite: BIOL 1102, BLAB 1102, and BIOL 2240.

BIOL 3500 - Vertebrate Natural History (4)

Classification and ecology of vertebrates of North America with emphasis on local forms. Laboratory and field work involving techniques of field study and collection and preservation of fishes, amphibians and reptiles. Lecture and laboratory.

Prerequisite: BIOL 1102 and BLAB 1102.

BIOL 3650 - Comparative Physiology (4)

Study of physiological processes in living organisms including prokaryotes, protists, fungi, plants and animals. Lecture only and laboratory.

Prerequisite: BIOL 1102 and BLAB 1102. CHEM 1102 and CLAB 1102 recommended.

BIOL 3700 - Animal Behavior (4)

This course provides an in-depth exploration of the evolution, ecology, ethology and development of the behavior of animals. Important biological activities including foraging, communication, migration, predator-prey interactions, mating, and parental care are examined. Lecture and lab.

Prerequisite: BIOL 1102 and BLAB 1102.

BIOL 3750 - Biotechnology (4)

Investigation of concepts surrounding biotechnology in today's world including applications to the medical, pharmaceutical, and agricultural industries. Emphasis is placed on recombinant DNA technology including vector types and structure, properties of restriction enzymes, and genetic engineering. Ethical and societal consequences are also discussed. Lecture and lab.

Prerequisite: BIOL 2240 and BIOL 3200. BIOL 3300 recommended.

BIOL 3990 - Philosophy and Methodology of Science (3)

Overview of the history and philosophy of science; introduction to scientific research methods including concepts of statistical analyses, testing alternative hypotheses, and experimental design. Requires development of prospectus for Senior Research BIOL 4980 (BIO 498) in consultation with thesis director. Lecture only.

Prerequisite: At least one course in a 3000/4000 level science.

BIOL 4200 - Invertebrate Zoology (4)

Survey of the invertebrate phyla emphasizing morphology, ecology and phylogenetic relationships. Lecture and laboratory.

Prerequisite: BIOL 1102 (BIO 102) and BLAB 1102 (BLAB 102).

BIOL 4210 - Biochemistry (3)

Metabolic pathways involving carbohydrates, fats, proteins and other biologically important substances. Lecture only.

Prerequisite: CHEM 2351, BIOL 1101, and BLAB 1101 recommended.

BIOL 4250 - Genomics and Bioinformatics (4)

Introduction to the use of information regarding gene sequencing, fragment analysis, transcriptomics, genome expression, and bioinformatics including the analytical comparison of the structure and function of genomes across taxa. Application of techniques to problems in biomedicine, evolution, agriculture, and environmental health. Lecture lab.

Prerequisite: BIOL 3240.

BIOL 4500 - Organic Evolution (4)

Principles and mechanisms of evolutionary biology including genetic variation and selection, speciation, and phylogenetic construction and systematics. Lecture and laboratory.

Prerequisite: BIOL 2240.

BIOL 4700 - Ecology (4)

Relationships among plants, animals and the physical environment; and interactions among and within populations, communities and ecosystems. Laboratory emphasis is on field techniques of studying plant and animal ecology. Lecture and laboratory.

Prerequisite: BIOL 1102, BLAB 1102, CHEM 1102, and CLAB 1102 .MATH 2450 recommended.

BIOL 4800 - Special Topics in Natural Sciences (4-Jan)

This course examines special topics in the natural sciences related to biology, chemistry, geology or environmental science, which are not part of the formal offerings of the department. May be repeated for credit only if the topic changes.

Prerequisite: Permission of department chair.

BIOL 4930 - Internship in Natural Sciences (3-Jan)

This course allows students the opportunity to participate in applied job-related experience in the natural sciences: biology, chemistry, geology or environmental science. The course may be repeated for credit.

Prerequisite: Major in science and permission of department chair.

BIOL 4950 - Science Seminar (1)

BIOL 4959 for majors participating in Science Honors program. Seminar presentation of thesis research.

Prerequisite: Senior standing in science major and BIOL 4980 or BIOL 4981.

BIOL 4959 - Honors Science Seminar (1)

Seminar presentation of honors research project.

Prerequisite: Senior standing in science major; must be taken simultaneously with BIOL 4999.

BIOL 4980 - Senior Research (3)

BIOL 4989 for majors participating in Science Honors program. Conduction of senior research under the direction of thesis director.

Prerequisite: BIOL 3990 and senior standing.

BIOL 4981 - Senior Library Research (2)

For science majors completing a B.S. degree but not taking a senior research course (BIOL 4980 or BIOL 4989). This is a capstone preparation course in which students learn the basics of science literature research, science writing, and oral presentation.

Crosslisted as: GEOL 4981.

BIOL 4989 - Honors Senior Research (3)

Honors research under the direction of the thesis director.

Prerequisite: BIOL 3990, senior standing, and permission from director and member of the Honors Committee.

BIOL 4999 - Honors Thesis (2)

Writing and approval of a thesis on research project conducted in (BIO) BIOL 4989. Thesis must be in the format of a scientific article and be approved by the thesis director and one additional reader from within the natural sciences.

Prerequisite: BIOL 4989. Corequisite: Must be taken simultaneously with BIOL 4959.

BLAB - BIOLOGY**BLAB 1101 - General Biology Lab I (1)**

Laboratory portion of General Biology I. To be taken in conjunction with BIOL 1101.

Corequisite: BIOL 1101 or passing grade in BIOL 1101.

BLAB 1102 - General Biology Lab II (1)

Laboratory portion of General Biology II. To be taken in conjunction with BIOL 1102

Corequisite: BIOL 1102 or passing grade in BIOL 1102.

BUSA - BUSINESS ADMINISTRATION**BUSA 1210 - Principles of Economics (3)**

This survey course focuses on core economic concepts and the direct links from the theory to real world situations. Topics covered include markets and the market process, applications of supply and demand, costs and profit maximization, competition, equilibrium, monetary and fiscal policies, and business cycles and growth.

Prerequisite: none. Offered: Athens Campus: fall evening, spring evening — Demorest Campus: fall day, spring day.

BUSA 2000 - Business Communication (3)

A study of the tools and techniques, both oral and written, that are useful for communicating in a business environment based upon the concepts and theories of business communication. Among the additional topics covered in detail, are: business reports, presentations (prepared and impromptu) resumes, the job search process, and basic business etiquette. The course involves considerable use of critical thinking skills.

Prerequisite: ENGL 1102 or consent of the instructor. Offered: Athens Campus: fall evening, spring evening, summer evening — Demorest Campus: fall day, spring day.

BUSA 2030 - Information Systems for Business (3)

This course will provide students with a foundation for using information technology systems in an academic environment and will prepare students for further studies of information technology in upper division business courses. The course will provide instruction in the basics of component hardware, operating system manipulation, common productivity software programs, common graphics programs, HTML development, and use of digital media peripherals. Capabilities and risks associated with Internet-based media will be explored and use of Internet-based research tools will be emphasized. The course will emphasize use of spreadsheet software for analysis and modeling in the business environment. Concepts essential in database design and programming will be introduced.

Prerequisite: none. Offered: Athens Campus: fall evening, spring evening — Demorest Campus: fall day, spring day.

BUSA 2031 - Boot Camp on Basic Excel (1)

This course explores the capabilities of Excel in the specific areas of error elimination, charts and graphs, date and time, sparklines and dashboards.

Prerequisite: none. Offered: Athens Campus: TBA — Demorest Campus: TBA.

BUSA 2032 - Boot Camp on Advanced Excel Topics (1)

This course explores Excel capabilities in advanced topics to include pivot tables, modeling using functions such as look ups and indexing, regression, scenario's and what-ifs.

Prerequisite: none. Offered: Athens Campus: TBA — Demorest Campus: TBA.

BUSA 2033 - Boot Camp on Selected Topics in Access (1)

This course explores the capabilities of Access in the specific areas of creating tables and linking tables, creating forms, queries and reports.

Prerequisite: none. Offered: Athens Campus: TBA — Demorest Campus: TBA.

BUSA 2100 - Quantitative Methods for Business (3)

This course is part one of a two course statistics sequence in the business core. This course assumes no prior knowledge of statistics. This introductory course covers the material through probability and hypothesis testing. This course is taught using MS EXCEL as the software tool to solve all problems. Practical applications of statistical tools and techniques to solve business problems will be the focus. Students will begin the journey towards a decision-making mind-set based upon data, research and interpretation of research findings. Specific topics include hypothesis testing, one-way and two-way ANOVA, along with other analysis of variance based methods and chi-square.

Prerequisite: BUSA 2030. Offered: Athens Campus: not offered — Demorest Campus: TBA beginning fall 2018.

BUSA 2140 - Legal Environment for Business (3)

An overview of the U.S. and international legal systems, tort and criminal law, and a more detailed study of general contract law and the law of sales contracts governed by the Uniform Commercial Code.

Prerequisite: none. Offered: Athens Campus: spring evening, summer evening — Demorest Campus: fall day, fall evening.

BUSA 3010 - Management (3)

An overview of the management functions: planning, organizing, leading and controlling. The course also includes an examination of business ethics and the global economy.

Prerequisite: BUSA 1210. Offered: Athens Campus: fall evening, spring evening, summer hybrid — Demorest Campus: fall day, fall evening, spring day, summer hybrid.

BUSA 3130 - Financial Institutions and Markets (3)

A survey of the role of financial institutions and markets in the domestic and global economies.

Prerequisite: BUSA 1210. Offered: Athens Campus: summer hybrid — Demorest Campus: spring day, summer hybrid.

BUSA 3200 - Marketing (3)

A study of the principles and methods involved in pricing, promoting and distributing products to consumers through various channels.

Prerequisite: BUSA 1210. Offered: Athens Campus: fall evening, spring evening — Demorest Campus: fall day, spring day, spring evening.

BUSA 3210 - Global Economics (3)

This course explores micro and macro components of international economics. Core theories are introduced and linked to international economic integration. Topics covered include international trade (comparative advantage, tariffs and quotas, commercial policies and protection), international finance (balance of payments, exchange rates and systems, financial crises), and economic integration.

Prerequisite: BUSA 1210. Offered: Athens Campus: fall evening, spring evening — Demorest Campus: fall day, spring day, spring evening.

BUSA 3250 - Consumer Behavior (3)

Current theories and research on buyer behavior will be explored, with special attention to their application in managerial decision-making. Specific theories of buyer learning, attitude development, perception, group interaction and decision making, organizational dynamics, personality and culture are used to explain and predict customer response to market offerings.

Prerequisite: BUSA 3200. Offered: Athens Campus: fall evening — Demorest Campus: spring day.

BUSA 3306 - Applied Ethics (3)

Students will examine a variety of personal, social and professional ethical issues and problems in a seminar setting. The course will emphasize current events, and promote the development of critical thinking skills and sound ethical reasoning.

Prerequisite: none. Crosslisted as: ACCT 3306. Offered: Athens Campus: fall evening, summer evening — Demorest Campus: fall day, fall evening, spring day.

BUSA 3310 - Organizational Behavior (3)

An investigation of individual, group, and organizational behavior within businesses with an emphasis on motivation, leadership, performance, values and attitudes, and organizational design and development.

Prerequisite: none. Offered: Athens Campus: fall hybrid — Demorest Campus: fall hybrid.

BUSA 3340 - Sports Economics (3)

An examination of the industry of sports using the tools and concepts of economic analysis. The unique industrial structure of sports leagues and franchises provides an opportunity to study costs, pricing, profitability, league structures, labor relations, negotiation, managerial efficiency and public finance from a non-traditional perspective.

Prerequisite: MATH 2100 and BUSA 3210. Offered: Athens Campus: not offered — Demorest Campus: spring day.

BUSA 3400 - Finance for Business (3)

Tools and techniques useful for aiding the manager in planning for and managing assets, short-term and long-term liabilities, capital budgeting, and income and expenditures by use of ratio analysis and other techniques.

Prerequisite: BUSA 1210, BUSA 2030, and ACCT 2020. Offered: Athens Campus: fall evening, spring evening, summer evening — Demorest Campus: fall day, spring day, spring evening.

BUSA 3415 - Data Science for Finance & Economic Applications (3)

The focus of this course is the transition from financial and economic models of asset returns and behaviors to econometric modeling using real data. Students will develop an understanding of how financial and economic theories can be used to build testable hypotheses using empirical data and econometric statistical techniques. The course will utilize Microsoft Excel for spreadsheet modeling, and IBM's SPSS software and "R" for data analysis and statistical modeling. "R" is an open-source modeling and graphical analysis language and package built at Bell Labs.

Prerequisite: BUSA 1210, BUSA 3500, and BUSA 3210. Offered: Athens Campus: not offered — Demorest Campus: TBA beginning fall 2018.

BUSA 3500 - Quantitative Research Methods for Business (3)

Practical applications of statistical tools and techniques to business problems. Emphasis is placed on research, design and interpretation of results and the implications of those results for business decision-making. Statistical techniques will include the more commonly used research methods, research designs, results interpretation in support of decision making in the era of "big data." Topics will include correlations, simple and multiple regression; special cases of multivariate regression will also be addressed. The study of research methods will also include the commonly used tests used to assess validity, reliability, data set distributions, and other tests commonly used in applied research. This course will continue using EXCEL and introduce IBM's SPSS software.

Prerequisite: BUSA 2100 or MATH 2100. Offered: Athens Campus: fall evening, spring evening, summer evening — Demorest Campus: fall day, fall evening, spring day.

BUSA 3515 - Qualitative Analysis for Business (3)

This course addresses the business research processes, primarily the marketing research process from defining the research problem, planning the research design, sample design, data collection, and analysis of qualitative data and its subsequent presentation to others. Special attention is paid to qualitative techniques including focus groups, interviews, and ethnographies. Students will learn to use focus groups and other qualitative techniques to develop information in settings where markets are nonexistent and therefore traditional quantitative market research techniques and other quantitative approaches aren't useful.

Prerequisite: BUSA 3500. Offered: Athens Campus: not offered — Demorest Campus: TBA beginning fall 2018.

BUSA 3700 - Project Management (3)

This course addresses concepts and techniques for the management of business and technology projects and their associated activities, personnel, and resources. The content deals with planning, scheduling, organizing, and managing projects such as new product development, construction, system implementation, and special events. Primary class emphasis is on the project management process and tools. The course covers the project planning process in detail, addressing project scope, and objectives, deliverables, milestones, tasks, work breakdown structure, responsibility and authority, project network, critical path analysis, costs, and resource allocation. The course also addresses the formation and organization of the project team, including the selection of successful project managers, key staffing, and group process issues, and the various organizational approaches used to structure projects. Topics covered include the project life cycle, project planning, project scheduling, project cost estimating, project risk analysis, project control techniques, project organizations and functions, project manager responsibilities, and teambuilding.

Prerequisite: none. Offered: Athens Campus: fall evening, summer hybrid — Demorest Campus: fall day, spring day, spring evening, summer hybrid.

BUSA 4000 - International Business (3)

An overview of the terms, tools, and techniques necessary for conducting business on a global basis. Special focus is placed on trades and foreign direct investments. Emphasis is placed on recent world events as they impact international business.

Prerequisite: BUSA 3400 and BUSA 3210. Offered: Athens Campus: spring evening, Maymester — Demorest Campus: fall day, spring day, spring evening, Maymester.

BUSA 4030 - Management Information Systems (3)

This course introduces business students to the software businesses utilize to solve problems at the unit business level of analysis. Accounting software, the first business level application because financial management and control remains paramount in all businesses, is the first class of business systems addressed. Computer systems to address day to day business operations are covered and the special problems faced by those in e-business are addressed. In addition to classical MIS concepts based upon decision science theory and more recent developments in the field based upon communications theory are also explored. Finally, risk management, communications security and other contemporary topics addressed as the MIS function includes communications security & the analysis of big data.

Prerequisite: BUSA 3500 and senior standing or consent of instructor. Offered: Athens Campus: fall evening, spring evening — Demorest Campus: fall day, spring day, spring evening.

BUSA 4100 - Advertising & Promotion (3)

Planning, execution and measurement of advertising programs. The course will focus on the creation of a real-world advertising campaign. Students will learn concepts of advertising and media strategy, media data sources, and analysis and effective message delivery.

Prerequisite: BUSA 3200 and BUSA 4350. Offered: Athens Campus: not offered — Demorest Campus: not offered (Course substitution – MCOM 3700).

BUSA 4120 - Sports Marketing (3)

An introduction to the complex and diverse nature of sports marketing. A framework will be presented to explain and organize the strategic sports marketing process.

Prerequisite: BUSA 3200. Offered: Athens Campus: not offered — Demorest Campus: fall evening.

BUSA 4150 - Digital Marketing (3)

With the rapid shift of advertising dollars to digital platforms, it is becoming increasingly important for marketing graduates to be well versed in digital marketing fundamentals. This upper division course will provide a solid foundation in the key concepts around this consistently changing field. Through readings, case studies and hands-on projects, students will come away with an understanding of successful online marketing strategies, user generated content, search and search engine optimization, social media and networks, mobile, and web analytics. Group projects, exercises and simulations will facilitate experiential learning within the course. Students will exit the course with a solid understanding of digital marketing tactics, tools and resources available for ongoing education and professional development.

Prerequisite: BUSA 3200. Offered: Athens Campus: not offered — Demorest Campus: spring day.

BUSA 4250 - Sales Management and Personal Selling (3)

This course will focus on personal selling and its management in the context of the organization's marketing strategy. The sales process, cost control, performance appraisal, recruitment, motivation and compensation will be explored as well as other management issues. Students will be required to make sales presentations on videotape for analysis.

Prerequisite: BUSA 3200. Offered: Athens Campus: TBA — Demorest Campus: TBA.

BUSA 4300 - Small Business Management (3)

Acquaints the student with the differences in managing a small business or a new business venture from that of a large business. Specifically examined are the personal qualities of successful entrepreneurs, the information required to establish a new business venture, the unique problems of the entrepreneur in starting and operating a new business, and dealing with external professionals who help with a new/small business.

Prerequisite: BUSA 3010, BUSA 3200, and BUSA 3400. Offered: Athens Campus: fall evening — Demorest Campus: fall evening, spring evening.

BUSA 4310 - Investment Management (3)

This course explores the arena of financial investments while concentrating on the types of investments and markets, the risk-return trade-off, security valuation, and portfolio management. Topics covered include analysis and valuation of equity, fixed income and leveraged securities, issues in efficient markets, the uses mutual funds and other pooled instruments, and derivative securities and their uses.

Prerequisite: BUSA 3400. Offered: Athens Campus: fall evening — Demorest Campus: spring day.

BUSA 4320 - Human Resource Management (3)

The traditional functions of a human resource department are examined. The course includes a survey of laws governing personnel function, the appropriate use of software in HR management, and maintaining equitable workplaces are among topics probed. Students are expected to develop an understanding of the role that human resource processes play in the strategy of organizations.

Prerequisite: BUSA 3010. Offered: Athens Campus: fall evening — Demorest Campus: fall evening.

BUSA 4350 - Marketing Research (3)

This course will prepare managers and owners for working with professional researchers or to design simple research of their own to obtain customer input for new products, advertising, pricing and distribution systems. Specific topics covered will be the use of secondary information sources, preparation and evaluation of surveys, basics of data evaluation and the marketing research process. Applications will include demand estimation and forecasting, concept testing, consumer satisfaction analysis and product development. Students will conduct actual research in-group projects.

Prerequisite: BUSA 3500 or consent of the instructor and BUSA 3200. Offered: Athens Campus: spring evening — Demorest Campus: fall day.

BUSA 4355 - Data Analytics for Marketing Applications (3)

This course will prepare managers and owners to work with professional researchers or design research of their own to obtain customer input for new products, advertising, pricing and distribution systems. Specific topics covered will be the use of secondary information sources, preparation and evaluation of surveys, basics of data evaluation and the marketing research process. This course focuses on the quantitative side of market research and will include demand estimation and forecasting, concept testing, consumer satisfaction analysis and product development. Students conduct actual research projects. Time permitting, additional topics will include segmentation, pricing techniques, conjoint analysis, and discrete choice modeling. The special challenge that big data presents to the market researcher is fully integrated into this course. This course employs IBM's SPSS software.

Prerequisite: BUSA 3515 or consent of the instructor and BUSA 3200. Offered: Athens Campus: not offered — Demorest Campus: TBA beginning fall 2018.

BUSA 4400 - Strategic Management (3)

Students should complete the application for graduation prior to registering for this course. The capstone course using case analysis and the strategic management literature to tie the business administration functional areas together and reinforce the concepts and tools learned in the prerequisite courses. A major component of this course is the topic of ethics in business.

Prerequisite: BUSA 3400 and final semester or permission of the instructor. Offered: Athens Campus: fall evening, spring evening — Demorest Campus: fall day, spring day, spring evening.

BUSA 4550 - Organizational Behavior and Leadership Theories (3)

Social science researchers in business schools have developed numerous theories of leadership. Some are supported by scientific research, others are not. This course explores at least seven of the theories of leadership and the behavioral science underpinning the leadership literature. In addition, other related skills are explored including influence tactics, leader-follower relationships, decision making, delegating, leadership style, mentoring, coaching, and servant leadership. Techniques employed in the class include self-assessment, applied practice and case study.

Prerequisite: none. Offered: Athens Campus: spring evening — Demorest Campus: fall evening, spring day.

BUSA 4700 - Business Internship (3)

Through actual work experience and/or an applied job related project, the student has a chance to apply business related skills and concepts. Each student is directed by a college supervisor and is expected to prepare a report and a self-evaluation of this experience.

Prerequisite: Permission of the instructor. Offered: Athens Campus: summer and TBA — Demorest Campus: summer and TBA.

BUSA 4800 - Quality Management and Data Science (3)

Quality management was the first management subsystem where data analytics dominated the decision making model. Students will study the behavioral, technological, and statistical concepts inherent to the system of management called total quality managements (TQM) which more recently has morphed into 6Sigma. One of the principle tenants of quality management is the notion that continuous improvement of quality requires the continuous measurement and assessment of quality and that quality improves as variance is reduced. A knowledge of statistics and spreadsheet software (EXCEL) is used to develop a basic SPC based data management system. If organization effectiveness (competitive advantage) is the product of quality and efficiency, then this course holds efficiency constant and explores methods to improve quality (see BUSA 3700 for the companion(MS software based productivity) in service and manufacturing organizations. Students will learn to employ spreadsheet logic to solve an array of problems.

Prerequisite: BUSA 3500 and permission of instructor. Offered: Athens Campus: spring evening — Demorest Campus: fall evening.

BUSA 4950 - Data Science for Business: Applied Research (3)

New course in Data Science Concentration designed to be a practicum for the concentration. This course would require the design and execution of a research project, writing up the findings and a presentation of the findings. Students in this course would be formally assessed on ethics, critical thinking, written communications and oral communications.

Prerequisite: BUSA 3500 and final semester for Data Science students, taken in lieu of BUSA 4400. Offered: Athens Campus: not offered — Demorest Campus: TBA beginning fall 2018.

BUSA 4980 - Special Topics: Entrepreneurship (1-3)

The content and credit hours for this course vary. Consult the schedule for topics and hours available for this semester.

Prerequisite: none. Crosslisted as: ACCT 4980. Offered: Athens Campus: TBA — Demorest Campus: TBA.

BUSA 4990 - Special Topics (1-3)

The content and credit hours for this course vary. Consult the schedule for topics and hours available for the semester.

Prerequisite: none. Crosslisted as: ACCT 4990. Offered: Athens Campus: TBA — Demorest Campus: TBA.

BUSA 4991 - Special Topics (1)

The content for this course varies. Consult the schedule for topics available for the semester.

Crosslisted as: ACCT 4991. Offered: Athens Campus: TBA — Demorest Campus: TBA.

BUSA 4992 - Special Topics (2)

The content for this course varies. Consult the schedule for topics available for the semester.

Crosslisted as: ACCT 4992. Offered: Athens Campus: TBA — Demorest Campus: TBA.

BUSA 4993 - Special Topics (3)

The content for this course varies. Consult the schedule for topics available for the semester.

Crosslisted as: ACCT 4993. Offered: Athens Campus: TBA — Demorest Campus: TBA.

CHEM - CHEMISTRY**CHEM 1101 - General Chemistry I (3)**

Introduction to the transformation of matter in chemical reactions and the energy changes that accompany these reactions. States of matter, stoichiometry and atomic structure are treated in detail. Lecture and laboratory.

Prerequisite: MATH 1100 or equivalent. Corequisite: CLAB 1101 or passing grade in CLAB 1101.

CHEM 1102 - General Chemistry II (3)

Introduction to acids and bases, reaction kinetics and chemical equilibria. Reactions of chemical elements and compounds are described, and the separation and identification of inorganic compounds are studied in detail. Lecture and laboratory, which includes qualitative inorganic analysis.

Prerequisite: CHEM 1101 and CLAB 1101. CLAB 1102 is recommended to be taken with CHEM 1102.

CHEM 2351 - Organic Chemistry I (4)

Systematic study of compounds of carbon. Alkanes, alkenes, alkynes, alkyl halides, cycloalkanes, and aromatic compounds are studied with regard to properties preparation and reactions. Lecture and laboratory.

Prerequisite: CHEM 1102 and CLAB 1102.

CHEM 2352 - Organic Chemistry II (4)

Continuation of CHEM 2351 with a special emphasis on stereochemistry and the synthesis of complex organic molecules. Lecture and laboratory.

Prerequisite: CHEM 2351.

CHEM 3050 - Current Topics in Environmental Chemistry (2)

This is a seminar course designed to introduce students about recent issues in Environmental Chemistry. This course involves student participation in the review and research of recent aspects of the impact of chemicals (primarily industrial organic) in the environment. Students will critically study and evaluate such research areas and then evaluate their understanding through discussions and presentations. Lecture only.

Prerequisite: CHEM 1102 and CLAB 1102.

CHEM 3321 - Quantitative Inorganic Analysis (4)

Volumetric, gravimetric and instrumental methods of quantitative inorganic analysis. Lecture and laboratory.

Prerequisite: CHEM 1102 and CLAB 1102.

CHEM 3322 - Instrumental Analysis (4)

Demonstration and operation of modern optical and analytical instruments for chemical analysis. Lecture and laboratory.

Prerequisite: CHEM 1102 and CLAB 1102.

CHEM 3710 - Inorganic Chemistry (4)

An introduction to modern theories of bonding and structure, reaction mechanisms and synthetic methods in inorganic systems. Synthesis and characterization by modern techniques of typical inorganic compounds. Lecture and laboratory.

Prerequisite: CHEM 1102 and CLAB 1102.

CHEM 3990 - Philosophy and Methodology of Science (3)

Overview of the history and philosophy of science; introduction to scientific research methods including concepts of statistical analyses, testing alternative hypotheses, and experimental design. Requires development of prospectus for Senior Research (CHEM 4498) in consultation with thesis director. Lecture only.

Prerequisite: At least one course in a 3000/4000 level science.

CHEM 4210 - Biochemistry (3)

Metabolic pathways involving carbohydrates, fats, proteins and other biologically important substances. Lecture only.

Prerequisite: CHEM 2351 BIOL 1101 and BLAB 1101 recommended.

CHEM 4451 - Physical Chemistry I (4)

Principles of thermodynamics, chemical equilibria, state functions, partial molar volumes, phase diagrams and electrochemistry. Lecture and laboratory.

Prerequisite: CHEM 1102 and CLAB 1102; MATH 2450; MATH 2460, PHYS 2110 and PHYS 2120 are recommended.

CHEM 4452 - Physical Chemistry II/Quantum Mechanics (4)

Quantum mechanics, atomic and molecular structure, photochemistry, chemical kinetics, reaction mechanisms and statistical thermodynamics. The wave-particle duality of light and matter, quantum tunneling, Heisenberg uncertainty, spin, application of Schrodinger's Equation, and wave functions. Lecture and laboratory.

Prerequisite: MATH 2460 and CHEM 4451 or PHYS 2110 & PHYS 2120.

CHEM 4800 - Special Topics in Natural Sciences (1-4)

This course examines special topics in the natural sciences related to biology, chemistry, geology or environmental science, which are not part of the formal offerings of the department. May be repeated for credit only if the topic changes.

Prerequisite: Permission of department.

CHEM 4930 - Internship in Natural Sciences (1-3)

This course allows students the opportunity to participate in applied job-related experience in the natural sciences: biology, chemistry, geology or environmental science. The course may be repeated for credit.

Prerequisite: Major in science and permission of department chair.

CHEM 4950 - Science Seminar (1)

CHEM 4959 for majors participating in Science Honors program. Seminar presentation of thesis research.

Prerequisite: Senior standing in science major and CHEM 4980 or CHEM 4981.

CHEM 4959 - Honors Science Seminar (1)

Seminar presentation of honors research project.

Prerequisite: Senior standing in science major; must be taken simultaneously with CHEM 4999.

CHEM 4980 - Senior Research (3)

CHEM 4989 for majors participating in Science Honors program. Conduction of senior research under direction of Thesis Director.

Prerequisite: CHEM 3990 and senior standing.

CHEM 4981 - Senior Library Research (2)

For science majors completing a B.S. degree but not taking a senior research course (CHEM 4980 or CHEM 4989). This is a capstone preparation course in which students learn the basics of science literature research, science writing, and oral presentation.

CHEM 4989 - Honors Senior Research (3)

Honors research under the direction of the thesis director.

Prerequisite: CHEM 3990, senior standing, and permission from director and member of the Honors Committee.

CHEM 4999 - Honors Thesis (2)

Writing and approval of thesis on research project conducted in CHEM 4980. Thesis must be in the format of a scientific article and be approved by the Thesis Director and one additional reader from within the Natural Sciences.

Prerequisite: CHEM 4989. Corequisite: CHEM 4959.

CLAB - CHEMISTRY**CLAB 1101 - General Chemistry Lab I (1)**

Laboratory portion of General Chemistry I. To be taken in conjunction with CHEM 1101.

Corequisite: CHEM 1101 or passing grade in CHEM 1101.

CLAB 1102 - General Chemistry Lab II (1)

Laboratory portion of General Chemistry II. To be taken in conjunction with CHEM 1102.

Corequisite: CHEM 1102 or passing grade in CHEM 1102.

CRJU - CRIMINAL JUSTICE**CRJU 1290 - Introduction to Criminal Justice (3)**

This course is an introduction to the operation and administration of the criminal justice system in the United States. The criminal justice system consists of three interrelated components: law enforcement, the judicial process, and corrections. This course will provide an overview of the structure and processes of the criminal justice system, including a brief examination of crime.

CRJU 2335 - Criminal Investigation (3)

This course is structured to provide students with knowledge, theory, and practice of investigative processes involved in criminal investigation. The topics discussed include evidence collection techniques, utilization of technology in preserving and analyzing evidence, principles of investigative technique, reporting procedures and requirements, and developing critical thinking and communication skills.

CRJU 3310 - Research Methods (3)

Basic processes of scientific inquiry in the social sciences, problem formation, research design, measurement, data collection, data analysis, interpretation, and reporting of results.

Prerequisite: MATH 2100 or permission of instructor.

CRJU 3330 - Police and Society (3)

This course is an introduction to the role of police in U.S. society. Law enforcement is one of the major components of the criminal justice system. Some of the topics to be discussed include the development of the police, policing and civil rights and liberties, the organization and management of the police, the various operations of law enforcement, and the relationship between the police and society.

CRJU 3331 - Juvenile Justice (3)

An overview of the nature, extent, types, theories, and causes of crime and delinquency. Other areas of study may include modern crime and delinquency preventions and methods of punishment and treatment of criminals.

CRJU 3380 - Victimology (3)

Victimology is the study of victims of crime. This course examines this important perspective in the criminal justice system, the process and consequences of victimization, the victims' rights movement and other topics related to the victims of criminal behavior. Topics to be discussed include the rights of victims, the victims' rights movement in its socio-political context, types of crimes and victims, and victim services.

CRJU 3385 - Punishment in the United States (3)

This course is an in-depth examination of the purpose and theory of punishment as it is practiced in the correctional system of the United States. Topics to be discussed include theories of punishment, forms of the criminal sanction, structure and process of the federal, state and local correctional systems, history and development of the correctional system, rights of the accused in regard to punishment, and criticisms and proposed reforms in the correctional system.

CRJU 3390 - Criminology (3)

This course content includes a study of crimes, criminals, and criminal behavior and provides a good foundation for students planning professional careers in the criminal justice field. This course will examine various psychological, sociological, and biological theories related to the causation of crime in society.

CRJU 4430 - Homeland Security and Terrorism (3)

This course explores the issues of homeland security and terrorism. The origin, history, definition, and techniques of terrorism are discussed and critically evaluated. Past, current and future tactics for addressing terrorism and its root causes are discussed and evaluated. Finally, the critical balance of public security and personal safety is defined, discussed and debated.

CRJU 4475 - Special Topics (3)

This course examines special topics related to criminal justice which are not part of the formal offerings within the Major. May be repeated for credit only if the topic changes.

CRJU 4930 - Internship in Criminal Justice (1-3)

A supervised learning experience in the area of criminal justice that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

CSCI - COMPUTER SCIENCE**CSCI 1101 - Introduction to Information Technology (3)**

This skills-based course provides students with a foundation for using information technology systems in the academic environment. Beginning with basic operating system skills, the course guides students in developing competency in use of common productivity software programs. (Students majoring in business administration are required to take BUSA 2030.)

CSCI 1371 - Computer Programming (3)

Study of computing systems manipulation using a current programming language. Includes input/output techniques, program processing control, file processing and database interfacing.

CVTE - CARDIOVASCULAR TECHNOLOGY**CVTE 4010 - Ultrasound Physics (4)**

This course provides the basis for understanding ultrasound, acoustics and instrumentation. The course will cover basic acoustics such as frequency, period, wavelength, amplitude and power, as well as the equations to calculate these parameters. Pulsed ultrasound will be introduced along with the parameters associated with it such as Spatial pulse length, pulse repetition frequency, pulse repetition period and pulse duration. Transducer technology will also be discussed so the student can understand the mechanics of wave generation along with the historical perspective of transducers. Bioeffects and safety will be discussed in detail, and the student will be able to identify the different safety measures that are used.

CVTE 4012 - Electrocardiographic Anatomy and Physiology (2)

This course will provide a foundation in the principles of electrocardiography. It involves normal cardiac anatomy and physiology, coronary anatomy and relationship of chambers with the great vessels. Includes understanding of the ECG, electrophysiology, conduction systems and mechanical events of the cardiac cycle. Application and techniques used in 2D cardiac imaging, M mode of LV at different levels of cardiac studies is also included.

CVTE 4014 - Echocardiography Pathology I (5)

This course presents a foundation in the principles of preload, afterload and pressure overload and the etiology of each. Also covered is the etiology, signs and symptoms, electrocardiographic findings and complications of multiple cardiac diseases. Wall motion abnormalities and LV dysfunction will also be discussed.

CVTE 4016 - Electrocardiography (2)

This course is an in-depth understanding of the electrical conduction system and how it affects cardiac function. This includes normal and abnormal ECGs and plotting ECG axis.

CVTE 4020 - Cardiac Pharmacology (2)

This course will cover the principles of treating cardiovascular disease through medical intervention and the variety of drugs that are used to treat both the disease state and the risk factors associated with the disease. Drug classifications, dosage and administration will be covered as well as expected outcomes and possible side effects. Proper use of imaging agents will also be covered.

CVTE 4022 - Principles of Vascular Ultrasound (5)

This course is an extensive examination of facets of peripheral artery disease and testing methods used to diagnose its presence. Specialties include cerebral vascular, peripheral vascular and visceral vascular testing. Included is carotid duplex imaging, transcranial Doppler, arterial and venous duplex imaging of the extremities, imaging of the aorta, visceral arterial duplex and renal artery duplex.

CVTE 4024 - Cardiovascular Technology (2)

This course is designed to be an introduction to other facets of cardiovascular testing. Topics include nuclear perfusion exams, nuclear PET exams, cardiac catheterization, and cardiac MRI.

CVTE 4026 - Echocardiography Pathology II (4)

This course provides in-depth study of ventricular function, including systolic and diastolic, prosthetic valve evaluation congenital heart disease.

CVTE 4028 - Practicum I (2)

This clinical course allows students to practice skills learned in their didactic courses under a preceptor's direct supervision at the intermediate level of skill (level 3 on clinical evaluation).

CVTE 4400 - Practicum II (2)

This clinical course allows students to practice skills learned in their didactic courses under a preceptor's direct supervision at the proficient level of skill (level 4 on clinical evaluation).

EDEC - EDUCATION: EARLY CHILDHOOD**EDEC 3331 - Reading Methods, P-5 (3)**

Foundation in the teaching of reading with a focus on a balanced literacy program through the integration of reading across the curriculum. Developmental reading programs, whole- language, emergent literacy, phonemic awareness and reading readiness will be addressed. Emphasis will also be placed on engaging diverse learners through various approaches and responses to reading. Directed field-based experience is required.

Prerequisite: EDUC 2251.

EDEC 3332 - Language Arts Methods, P-5 (3)

This course provides an interdisciplinary, literature-based approach to methods for teaching language arts at the secondary level. Directed field-based experience is required.

Prerequisite: EDUC 2251.

EDEC 3334 - Social Studies Methods, P-5 (3)

Principles, skills, procedures and materials for teaching aspects of related social studies in the social studies program. Directed field-based experience is required.

Prerequisite: EDUC 2251.

EDEC 3335 - Science Methods, P-5 (3)

Objectives, experiences and methods of teaching science in the public school. Directed field-based experience is required.

Prerequisite: EDUC 2251; Completion of General Education lab science requirements.

EDEC 3336 - Math Methods, P-5 (3)

Candidates will explore the knowledge, skills and dispositions necessary to provide appropriate instruction for all elementary students. Candidates will analyze the teaching of mathematics, basic math content and general principles of mathematics including current issues,

procedures, and techniques of instruction. Emphasis is placed on assisting candidates to teach mathematics content and processes with manipulatives. (Directed field experience is required.)

Prerequisite: MATH 2050 or general math requirement and EDUC 2251.

EDEC 3361 - Internship I (3)

A 120-contact-hour internship for one semester at the three grade bands which consist of grades P-K, 1-3, and 4-5. The teacher candidate will complete the internship under the combined supervision of a certified teacher and the college supervisor. Evidence of multicultural approaches to pedagogy, history, and student/teacher associations will be evident as the teacher candidates complete their internships in diverse settings. Applications must be completed by the posted deadline the semester prior to placement.

Prerequisite: One methodology course and EDUC 2251. Corequisite: EDUC 3151.

EDEC 4499 - Internship II (P-5) (10)

This is a Pass/Fail course

Candidates must take and pass the appropriate GACE (Georgia Assessments for the Certification of Educators) contents tests prior to beginning the Internship II teaching semester. Individuals who have not passed the GACE tests will not be permitted to register for Internship II. Candidates may elect to change majors and/or apply to receive the Bachelor of Arts degree in Educational Studies.

Education majors should be aware that prior to Internship II they will undergo a criminal background check as a part of Georgia's pre-service certification. Applications to Internship II may be denied based upon information presented in these background clearances. Before being hired by a Georgia Public School System, another background check including fingerprinting will be conducted by the System.

Internship II is a full-semester experience during which students work full-time under the joint supervision of a certified teacher(s) and college supervisor at a level appropriate to the certification field. Internship II placements are made at the discretion of the School of Education. Placements will be made within a 50-mile radius of the campus.

Prerequisite: EDUC 2251, EDUC 3111, and EDUC 3151. The student must be fully admitted to Teacher Education and have permission of the Dean of Education. Permission to register form required. Application deadlines will be posted in the School of Education.

Corequisite: EDUC 4497 and EDUC 4498. This course serves as the CAPSTONE experience for Early Childhood and Middle Grades majors. PLEASE NOTE: NO CLASSES OTHER THAN THE COREQUISITES CAN BE TAKEN DURING INTERNSHIP II. .

EDMG - EDUCATION: MIDDLE GRADES

EDMG 3331 - Reading Methods, 4-8 (3)

Foundation in the teaching of reading with an emphasis on the traditional and progressive strategies that reflect the reading/writing connections and support embedding reading and writing across the curriculum. Word recognition skills; phonics; comprehension; fluency; vocabulary development; relationship of reading and writing; spelling, listening, oral language, library, dictionary and study skills will be emphasized in how they relate to content area instruction. Directed field-based experience is required.

Prerequisite: EDUC 2251.

EDMG 3332 - Language Arts Methods, 4-8 (3)

This course provides an interdisciplinary, literature-based approach to methods for teaching language arts in middle school. Directed field-based experience is required.

Prerequisite: EDUC 2251.

EDMG 3334 - Social Studies Methods, 4-8 (3)

Relationship among the differing social sciences, with emphasis on the social studies program. Principles, skills, procedures and materials needed to develop and teach a social studies program. Directed field-based experience is required.

Prerequisite: EDUC 2251.

EDMG 3335 - Science Methods, 4-8 (3)

Objectives, experience and methods of teaching science in the public school. Directed field- based experience is required.

Prerequisite: EDUC 2251; Completion of General Education lab science requirements.

EDMG 3336 - Math Methods, 4-8 (3)

Candidates will explore the knowledge, skills and dispositions necessary to provide appropriate instruction for all middle school students. Candidates will analyze the teaching of math, basic math content and general principles of mathematics including current issues, procedures, and techniques of instruction. Emphasis is placed on assisting candidates to teach mathematics content and processes with manipulatives. (Directed field experience required.)

Prerequisite: MATH 2010 (unless exempt) or MATH 2050 and EDUC 2251.

EDMG 3345 - Teaching in the Middle School (3)

A focus on the nature and diversity of the middle grades learner, the pedagogy appropriate for that age level, and the organization of the middle school. Included are the psychological and sociological principles and practices that aid in determining how to meet the unique educational needs of young adolescents, the history of the development of the middle school and the philosophy of education that determines the curriculum and pedagogy of the middle school. Directed field-based experience is required.

Prerequisite: EDUC 2251.

EDMG 3361 - Internship I, 4-8 (3)

A 120-contact-hour internship for one semester within two grade bands consisting of grades 4-5 and 6-8 and two content areas. The teacher candidate will complete the internship under the combined supervision of a certified teacher and the college supervisor. Evidence of multicultural approaches to pedagogy, history, and student/teacher associations will be evident as the teacher candidates complete their internships in diverse settings. Applications must be completed by the posted deadline the semester prior to placement.

Prerequisite: One methodology course and EDUC 2251. Corequisite: EDUC 3151.

EDMG 4444 - Advanced Internship (5)

Contact the Office of Clinical Experiences for complete information. Limited to teachers provisionally certified by the state who have not earned credit for student teaching/internship but who are currently employed by a school system and teaching on a non-renewable certificate (employment verification required) basis. This service-learning experience is based in a public school at the level and in the subject in which the certificate is sought. Interns are supervised by both the employing school and the School of Education, with emphasis on a formal evaluation of teaching competencies. This is a Pass/Fail course. Satisfying GACE Program Admissions Assessment and GACE content tests are required to register for EDMG 4444. Internships may take place only within a 50-mile radius of the campus unless otherwise approved by the Dean of the School of Education. Unconditional Admission to Teacher Education is required to register for EDMG 4445.

Prerequisite: Formal application to and acceptance by the School of Education; and EDUC 2251, EDUC 3111, and EDUC 3151.

EDMG 4445 - Advanced Internship (5)

Contact the Office of Clinical Experiences for complete information. Limited to teachers provisionally certified by the state who have not earned credit for student teaching/internship but who are currently employed by a school system and teaching on a non-renewable certificate (employment verification required) basis. This service-learning experience is based in a public school at the level and in the subject in which the certificate is sought. Interns are supervised by both the employing school and the School of Education, with emphasis on a formal evaluation of teaching competencies. This is a Pass/Fail course. Satisfying GACE Program Admissions Assessment and GACE content tests are required to register for EDMG 4444. Internships may take place only within a 50-mile radius of the campus unless otherwise approved by the Dean of the School of Education. Unconditional Admission to Teacher Education is required to register for EDMG 4445.

Prerequisite: Formal application to and acceptance by the School of Education; and EDUC 2251, EDUC 3111, and EDUC 3151.

EDMG 4498 - Senior Seminar: Reflection and Application (3)

This course provides opportunities for reflection, synthesis and application of all previous School of Education courses and the Student Teaching experience. One result of this course will be the creation of the Program Portfolio documenting mastery of program outcomes.

Prerequisite: EDUC 2251, EDUC 3111, and EDUC 3151; Admission to teacher education. Corequisite: EDUC 4497; EDMG 4499; Application for graduation must be submitted when registering for this class. (This does not apply to Certification Only students.)

EDMG 4499 - Internship II (4-8) (10)

This is a Pass/Fail course

Candidates must take and pass the appropriate GACE (Georgia Assessments for the Certification of Educators) contents tests prior to beginning the Internship II teaching semester. Individuals who have not passed the GACE tests will not be permitted to register for Internship II. Candidates may elect to change majors and/or apply to receive the Bachelor of Arts degree in Educational Studies.

Education majors should be aware that prior to Internship II they will undergo a criminal background check as a part of Georgia's pre-service certification. Applications to Internship II may be denied based upon information presented in these background clearances. Before being hired by a Georgia Public School System, another background check including fingerprinting will be conducted by the System.

Internship II is a full-semester experience during which students work full-time under the joint supervision of a certified teacher(s) and college supervisor at a level appropriate to the certification field. Internship II placements are made at the discretion of the School of Education. Placements will be made within a 50-mile radius of the campus.

Prerequisite: EDUC 2251, EDUC 3111, and EDUC 3151. The student must be fully admitted to Teacher Education and have permission of the Dean of Education. Permission to register form required. Application deadlines will be posted in the School of Education.

Corequisite: EDUC 4497 and EDUC 4498. This course serves as the CAPSTONE experience for Early Childhood and Middle Grades majors. PLEASE NOTE: NO CLASSES OTHER THAN THE COREQUISITES CAN BE TAKEN DURING INTERNSHIP II. .

EDPE - EDUCATION: PHYSICAL EDUCATION

EDPE 1100 - Cardiopulmonary Resuscitation (CPR) (1)

Information on how to deal with respiratory emergencies, such as choking, that could lead to cardiac arrest, and how to give first aid for a cardiac emergency. Participants learn skills for adults, children and infants in need of care. Meets American Red Cross Standards. Charge required for certification.

EDPE 1102 - Fitness Walking (1)

Designed to improve one's health and fitness through fitness walking. Nutrition is discussed.

EDPE 1103 - Bowling (1)

History, rules and fundamental skills of bowling. Usage charge required.

EDPE 1104 - Golf (1)

History, rules and fundamental skills of golf. Usage charge required.

EDPE 1105 - Tennis (1)

History, rules and fundamental skills of tennis.

EDPE 1107 - Weight training (1)

Basic weight training exercise for major muscle groups; routines appropriate for developing muscular strength and endurance.

EDPE 1108 - Special Topics in Dance (1)

Course topics to be announced; offered on occasional basis; may be repeated for credit only if the topic changes.

EDPE 3321 - Health & Physical Education in the Classroom (3)

Methods and techniques of teaching physical education in the elementary grades according to developmentally appropriate practices. A focus on integrating physical education with subject areas (Language Arts, Math, Social Studies, etc.) is also emphasized. Motor learning, rhythms, developmental games and creative movement are included. Directed field-based experience is required.

EDSE - EDUCATION: SECONDARY EDUCATION

EDSE 3301 - Methods in Secondary Education (3)

Designed to be taken in the junior year immediately before Internship I. Emphasis on curriculum and content, facilitating student learning, creating positive learning environments for all students, formal and informal assessment, planning and instruction and professional reflection. Theory and research to plan developmentally appropriate activities for students in the secondary setting. Field experiences outside of class time are required.

Prerequisite: Junior standing and EDUC 2251.

EDSE 3331 - Reading Methods, 6-12 (3)

Foundation in the teaching of reading with a focus on a balanced literacy program through the integration of reading across the curriculum. Developmental reading programs, whole language, emergent literacy, phonemic awareness and reading readiness will be addressed. Emphasis will also be placed on engaging diverse learners through various approaches and responses to reading. Directed field-based experience is required.

Prerequisite: EDUC 2251.

EDSE 3332 - Language Arts Methods, 6-12 (3)

This course provides an interdisciplinary, literature-based approach to methods for teaching language arts in elementary school. Directed field-based experience is required.

Prerequisite: EDUC 2251.

EDSE 3334 - Social Studies Methods, 6-12 (3)

Principles, skills, procedures and materials for teaching aspects of related social studies in the social studies program. Directed field-based experience is required.

Prerequisite: EDUC 2251.

EDSE 3335 - Science Methods, 6-12 (3)

Objectives, experiences and methods of teaching science in the public school. Directed field-based experience is required.

Prerequisite: Completion of General Education lab science requirements and EDUC 2251.

EDSE 3336 - Math Methods, 6-12 (3)

Candidates will explore the knowledge, skills and dispositions necessary to provide appropriate instruction for all elementary students. Candidates will analyze the teaching of mathematics, basic math content and general principles of mathematics including current issues, procedures, and techniques of instruction. Emphasis is placed on assisting candidates to teach mathematics content. (Directed field experience is required.)

Prerequisite: MATH 2050 or general math requirement and EDUC 2251.

EDSE 3366 - Foundations and Practicum in Secondary Education (4)

Encounters with materials dealing with the foundations of secondary schooling in the U.S., combined with 60-90 hour practicum consisting of focused observations and interactions at a nearby school. The practicum observations will be focused by the readings and discussions in the Foundations sessions. This course is designed for students who declare Secondary Education as a major after the second semester of the junior year who wish to explore Secondary Education as a Dual Degree student or who are considering a later M.A.T. degree in Teaching Secondary students.

Prerequisite: EDUC 2251.

EDSE 4400 - Facilitating Learning and Assessment I (1)

Emphasis on curriculum and content, facilitating student learning, creating positive learning environments for all students, formal and informal assessment, planning and instruction and professional reflection. Allows candidates to engage in a natural progress from candidate to teacher. Candidates have one Middle and one High School placement. Additionally, the course encourages candidates to identify their personal strengths and weaknesses and allows them to develop positive attributes, skills and dispositions during their Internship Teaching.

Prerequisite: EDUC 2251. Corequisite: EDSE 4498.

EDSE 4401 - Facilitating Learning and Assessment I II (1)

Emphasis on curriculum and content, facilitating student learning, creating positive learning environments for all students, formal and informal assessment, planning and instruction and professional reflection. Allows candidates to engage in a critical study of the host school and provides a culminating opportunity to discuss, model and reflect upon best practices in high school teaching. Additionally, the course encourages candidates to identify their personal strengths and weaknesses and allows them to develop positive attributes, skills and dispositions during their Internship Teaching.

Prerequisite: EDUC 2251. Corequisite: EDSE 4499.

EDSE 4498 - Internship I (3)

During the Fall, candidates are in area schools 14 to 16 hours per week. Students must have completed the ATE process before registration for this course. Accommodations will be made individually for athletes.

Prerequisite: EDUC 2251 and EDUC 3111. Corequisite: EDSE 4400 and EDUC 3151.

EDSE 4499 - Internship II (9)

Full days of teaching, M-F, in a local host school. A continuation of the placement secured in EDSE 4498. Athletic accommodations will be personalized by the Secondary Education Chair. Candidates may not schedule additional classes during Internship II without approval of their advisor and the Chair of Secondary Education.

An application for graduation must be submitted when registering for EDSE 4499.

Additionally, GACE content exams must be completed and passed before registration for EDSE 4499. Candidates unable to pass the GACE may wish to complete a program in Educational Studies or delay Internship II until all exams are passed.

Placements are made at the discretion of the School of Education, as approved by the Secondary Education advisor and must be within a 40-mile radius of the campus. Internship II provides a culminating opportunity for candidates to observe, model and reflect upon the knowledge, understandings, skills, dispositions and other attributes of accomplished teaching evidenced in area schools. The Piedmont College School of Education Conceptual Framework, Core Candidate Learning Outcomes (CCLOs), 2013 InTasc Standards and State of GA core content standards will provide the basis for all required candidate activities and/or assignments.

Prerequisite: EDUC 2251, EDUC 3111, and EDUC 3151; Candidates must be fully admitted to Teacher Education, have permission of the Dean of Education and hold a pre-service certificate prior to beginning the internship. Placement may be denied based on information obtained from these clearances. Corequisite: EDSE 4401, admission to teacher education, and hold a pre-service certificate.

EDUC - EDUCATION

EDUC 1199 - Introduction to Education (3)

Introduction to education as a profession, with emphasis on the foundations of education, its history and philosophy and the qualities and competencies required. Directed field-based experience is required.

Prerequisite: PDMT 1101 (PC 101) and ENGL 1101 (ENG 101).

EDUC 2250 - Media and Technology for Educators (3)

This course is designed to help students understand and use effective curriculum that includes integrating technology in support of classroom instruction and management. Students will explore ways to help children build a knowledge base of current technologies that include electronic devices that range from programmable telephones to video cameras and computers and will facilitate active B-12 student participation in the learning process. Students in the course will have opportunities to work with basic as well as advanced technologies in addition to traditional media. The course will further provide participants the opportunities to develop skills needed to maintain professional competence in this dynamic aspect of their work.

EDUC 2251 - Professional Practice I (1)

Aspiring teachers will prepare for Admission to Teacher Education (ATE) and the Georgia pre-service certification process, including application for a MyPSC account. Students will prepare for the Georgia Assessments for the Certification of Educators (GACE) Program Admission Assessment and Georgia Educator Ethics Assessment (Entry Level). The Education Teacher Performance Assessment (edTPA) will be introduced. Program portfolio requirements, information regarding mandatory reporting, field experience expectations, the School of Education Student Bulletin Board, and advising processes will be discussed. Required of all undergraduate students pursuing admission to teacher education. Pass/fail

EDUC 3111 - Professional Practice II (1)

Students will prepare for the Georgia Assessments for the Certification of Educators (GACE) Content Assessments and will develop an individual assessment plan and will take GACE interactive practice tests. Required of all students pursuing admission to teacher education. Students will continue the development of the professional portfolio. Additionally, candidates will be introduced to the Education Teacher Performance Assessment (edTPA). Pass/Fail *Students may request an In-progress grade for an additional semester.*

Prerequisite: EDUC 1199, EDUC 2251 (or taken concurrently).

EDUC 3151 - Professional Practice III (1)

Candidates will prepare for the Education Teacher Performance Assessment (edTPA). Candidates will be expected to have the technological proficiency in basic video editing in order to add artifacts to the professional portfolio and submit as evidence for edTPA. Pass/fail Students may request an In-progress grade for an additional semester.

Prerequisite: EDUC 1199, EDUC 2250, EDUC 2251 (or taken concurrently).

EDUC 3306 - Economics in the 6-12 Classroom (3)

A survey of the basic concepts of economics required in the Georgia Performance Standards (GPS): fundamental concepts, producers and consumers, microeconomics, macroeconomics, and international economics. Selected concepts, as outlined in the Georgia Council on Economic Education's "Scope and Sequence" documents, address each of these five areas. Designed to meet the needs of middle and secondary teachers.

EDUC 3307 - Learning and Cognition (3)

Analysis of the underlying processes of learning and of theory-based strategies for improved learning and teaching. Directed field-based experience and case study analysis are required.

Prerequisite: EDUC 2251.

EDUC 3333 - Geography in the P-12 Classroom (3)

Survey of the various areas of the world with emphasis on the cultural, economic, political and social developments in relation to the geographic conditions.

EDUC 3337 - Teaching Reading and Writing in the Content Areas (3)

This course is designed to prepare teachers to utilize reading and writing skills as tools for learning in the content areas. Teacher candidates will be able to employ a three-part learning framework and strategies for implementing the framework within their content fields. During this course, candidates will utilize varied types of print and non-print content materials in developing skills for training students in content literacy skills. Individual needs of learners will be addressed in determining the appropriateness of varied grouping strategies and comprehension activities for each learner. Directed field-based experience required.

Prerequisite: EDUC 2251.

EDUC 3338 - Assessing and Assisting Effective Reading in the Classroom (3)

This course is designed to provide future classroom teachers with knowledge of reading- related problems and their causes and to develop their abilities to use instructional strategies appropriately. Emphasis is placed on informal diagnosis and interpretation of reading abilities based on individual case studies and implications for classroom settings. Directed field-based experience is required.

Prerequisite: (EDEC 3331/EDMG 3331 (EDEC 331) is a prerequisite and EDUC 1199 (EDUC 199) is a prerequisite or corequisite. This course has a field experience component.

EDUC 3339 - Fine Arts for Teachers (3)

This course investigates the disciplines of art, music, drama, and literature for the purpose of enhancing and integrating a creative process approach for instruction in the classroom. Emphasis is placed on applying and synthesizing the concepts of multiple intelligences in the development of classroom curricula.

EDUC 3355 - Exceptional Children (3)

A comprehensive introduction to the education of students with special needs. The intent of this course is to provide educators with the knowledge skills, attitudes, and beliefs that are crucial to constructing learning environments which allow all students to reach their potential. A foundational knowledge in the concepts of co-teaching and differentiated instruction will be emphasized.

EDUC 4401 - The Multicultural Classroom (3)

Examines the numerous misunderstandings that arise from cross-cultural contact, and outlines methods to help students develop improved intercultural communication skills. The course is organized to motivate students to review their beliefs about multiculturalism in general and their own cultural identity in particular. It presents an integrated multicultural model of curriculum and instruction along with practical tools prospective teachers can use and links the idea of multicultural education to the concept of effective teaching. Field experience required.

EDUC 4405 - Exploration and Analysis of Reading Environments (3)

Proficient reading contributes to learning in academic and personal growth. It is essential that beginning teachers develop a thorough knowledge about methods and materials appropriate for teaching children to read for comprehension and enjoyment. This course enables students to synthesize their prior knowledge of the reading and writing process and to further investigate best instructional practices in a literate environment. Directed field-based experience is required.

Prerequisite: EDUC 3338 and EDUC 2251.

EDUC 4421 - Characteristics of Gifted Students (3)

This course is the first in the sequence of three leading to the Georgia In-field Gifted Endorsement, and serves as an introduction to the field of gifted education, with a focus on gifted learners. The goal of this course is to specifically develop participants' understanding of the defining characteristics and needs of diverse populations of gifted students. Introduction to the foundations of gifted education, including relevant definitions of the term "gifted and talented." Current issues and trends at the local, state, national, and international levels impacted gifted education.

EDUC 4422 - Assessment of Gifted Students (3)

The goal of this course is to develop students' understanding of the use of assessment to identify gifted abilities in individuals from different backgrounds (e.g., racial/cultural, ethnic group membership, age, gender, disabling conditions, economic, and language). A major concern of the course is the study of specific assessment measures and procedures that encourage informed educational decisions regarding those students who need gifted program services. Selecting and designing assessment measures and procedures to evaluate the gifted student's progress. Using assessment data to make instructional decisions.

Prerequisite: EDUC 4421 or permission of instructor.

EDUC 4423 - Programs, Curriculum and Methods for Gifted Students (3)

This course focuses on the understanding and use of current programs, curriculum in, instructional strategies and materials to facilitate the development of gifted learners from diverse backgrounds with strengths in varied domains. Central to the course is information concerning the differentiation of instruction for gifted learners based on their characteristics and needs and on theory and practices in instructional design and modification.

Prerequisite: EDUC 4421 and EDUC 4422 or permission of instructor.

EDUC 4485 - Characteristics of Learners with Autism Spectrum Disorder (3)

Autism Spectrum Disorder (ASD) is a broad disability category that is composed of three primary behavioral characteristics: deficits in socialization, communication, and a narrow range of interests/activities. Individuals with ASD vary in their intelligence, behaviors, and abilities. The purpose of this course is to provide teacher candidates with an in-depth look at these behavioral characteristics associated with ASD in an effort to understand the implications for academic achievement and behavioral success in school, home, and community settings.

EDUC 4486 - Instructional Methods for Learners with Autism Spectrum Disorder (3)

Autism Spectrum Disorder (ASD) is a broad disability category that is composed of three primary behavioral characteristics: deficits in socialization, communication, and a narrow range of interests/activities. Many students with ASD are educated in the regular classroom with their like age peers, using the same curriculum. To this end, this course will examine evidenced based methodology for educating students with ASD from the ages of pre-school to post-secondary level.

EDUC 4487 - The Autism Advisor (3)

Autism Spectrum Disorder (ASD) is a broad disability category that is composed of three primary behavioral characteristics: deficits in socialization, communication, and a narrow range of interests/activities. Many students with ASD are educated in the regular classroom with their like age peers, using the same curriculum. To this end, this course will examine evidenced based methodology for educating students with ASD from the ages of pre-school to post-secondary level.

EDUC 4495 - Educational Assessment for All Learners (3)

A comprehensive study of educational assessment and diagnosis, emphasizing concepts of tests and measurements, formal and informal assessments, test development and administration, and the use of diagnostic test results in planning and instruction. The history, legalities, and other ethics of assessment are also discussed. Directed field-based experience is required.

Prerequisite: One methodology course and EDUC 2251.

EDUC 4497 - Classroom Management (3)

Review of classroom management techniques, behavioral modification, group dynamics, teacher-student interrelationships, leadership styles, peer group influences, appropriate punishment, crisis control, working with special students, student rights, teacher authority, and communication with parents and administration. Directed field-based experience is required.

Prerequisite: Admission to teacher education and EDUC 2251 EDSE majors may take this course concurrent with EDSE 4498 or EDSE 4499. Corequisite: EDUC 4498, EDEC 4499/EDMG 4499.

EDUC 4498 - Senior Seminar: Reflection and Application (3)

This course provides opportunities for reflection, synthesis and application of all previous School of Education courses and the Student Teaching experience. One result of this course will be the creation of the Program Portfolio documenting mastery of program outcomes.

Prerequisite: EDUC 2251. Admission to teacher education. Application for graduation must be submitted when registering for this class. Corequisite: EDUC 4497, EDEC 4499.

EDUC 4788 - Capstone/Exhibition (3)**ENGL - ENGLISH****ENGL 1101 - Rhetoric and Composition (3)**

In this writing-intensive course, students will learn to think critically, read contextually, and write persuasively by analyzing a variety of thematically linked texts. A grade of "C" is required to pass.

ENGL 1102 - Literature and Composition (3)

Building on skills developed in English 1101, students will interpret and analyze thematically linked literary works and other texts. A grade of "C" is required to pass.

Prerequisite: ENGL 1101 with a grade of "C" or better.

ENGL 2201 - World Literature to the Renaissance (3)

Analytical reading of major works from the ancient world through the Middle Ages, including Far Eastern literature.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 2202 - World Literature from the Renaissance (3)

Analytical reading of major works from the Renaissance through modern literature, including Far Eastern literature.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 2203 - British Literature to 1790 (3)

British literature to the Romantic period.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 2204 - British Literature from 1790 (3)

British literature from the Romantic age to the present.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 2210 - United States Literature to 1865 (3)

American literature from the Colonial period to 1865.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 2211 - United States Literature from 1865 (3)

American literature from 1865 to the present.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 2220 - Ethnic American Literature (3)

A study of America's ethnic voices including but not limited to African-American, Native-American, and Asian-American.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 2221 - Women Writers (3)

A study of American women writers and issues of the literary canon.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 2222 - Introduction to Film (3)

A historical review of film history, techniques, aesthetics, genres, criticism.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 2225 - Nature Writers (3)

In this course, students explore the natural environment through literature. Discussion and assignments will connect ideas from various academic disciplines in the arts and sciences.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 3000 - Introduction to English Studies (3)

A study of the skills and knowledge necessary for successful pursuit of a degree in English: close reading, critical writing, literary vocabulary, acquaintance with current theoretical issues, and familiarity with bibliographic and electronic resources. Required of all English majors.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 3307 - Short Story (3)

Evaluative reading and criticism of selected short stories.

Prerequisite: ENGL 2000-level with a grade of "C" or better.

ENGL 3308 - Novel (3)

Evaluative reading and criticism of representative novels from the 18th century to the present. Authors may include Fielding, Austen, Trollope, Dickens, Eliot, James, Joyce, Faulkner, and Morrison.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 3309 - Poetry (3)

Evaluative reading of poetry from all periods, including poems in translation.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 3311 - Drama (3)

Evaluative reading and criticism of selected plays. Authors may include Aeschylus, Sophocles, Shakespeare, Jonson, Ibsen, Shaw, O'Neill, Williams, and Beckett.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 3312 - Non-Fiction (3)

A study of literary non-fiction including autobiography/memoir, diaries/journals, slave narratives, oral history, reform literature, and true crime.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 3322 - Film and Literature (3)

Students will compare print and filmic story-telling structures and techniques building vocabularies for both and enhancing their critical reading skills of print and cinematic texts.

Prerequisite: ENGL 1102 with a grade of "C" or better.

ENGL 3330 - Advanced Grammar (3)

Comprehensive study of English grammar with emphasis on sentence analysis.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 3335 - Technical Writing (3)

Comprehensive study of the skills you will need to write scientific and technical documents. The course will introduce the rhetorical principles and compositional practices necessary for writing effective and professional communications, such as reports, instructions, and documentation within various professions.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 3392 - Creative Writing: Poetry (3)

Studies of the various techniques for writing poetry.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 3393 - Creative Writing: Non-Fiction (3)

Studies and practice in the various genres of creative non-fiction.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 3394 - Creative Writing: Fiction (3)

Study of the various techniques for writing fiction.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 3395 - Creative Writing: Screenwriting, Drama, and Adaptation (3)

Study of the various techniques for writing fiction.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4400 - Trillium: Literary Publications (3)

The study of editing and publishing for small press journals. Students will work on Trillium, the student literary journal. Students may earn up to nine hours toward electives.

Prerequisite: One creative writing course or permission of instructor.

ENGL 4401 - Seminar in World Literature (3)

An interdisciplinary approach to world literature in translation with emphasis on world mythologies.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4402 - Medieval Literature (3)

Survey of British prose, poetry, and drama from the eighth to the fourteenth century; with emphasis on Chaucer and Malory; assigned texts may also include *Beowulf*, works by the *Pearl* Poet, mystery plays, and *Everyman*.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4403 - British Renaissance (3)

Survey of major British authors of the sixteenth and seventeenth centuries; authors may include Spenser, Sidney, Marlowe, Donne, Jonson, Herbert, Milton, and Marvell.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4405 - Shakespeare (3)

Survey of Shakespeare's major dramatic works, including poetry.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4408 - Restoration and Eighteenth-Century Literature (3)

Survey of major British authors of the late seventeenth and eighteenth centuries; authors may include Milton, Dryden, Pope, Richardson, Fielding, Swift, Johnson, Austen.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4415 - British Romanticism (3)

Survey of English Romantic literature; authors may include Blake, Barbauld, Godwin, Wollstonecraft, Smith, W. Wordsworth, D. Wordsworth, Coleridge, Shelley, Keats, Byron.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4421 - Victorian Literature (3)

Survey of English Victorian literature. Authors may include Tennyson, Carlyle, Mill, Elizabeth Barrett Browning, Robert Browning, Dickens, Thackeray, Trollope, Emily Brontë, Charlotte Brontë, Eliot, Christina Rossetti, D.G. Rossetti, Ruskin, Arnold, Swinburne, Pater, Hopkins, Stevenson, Wilde, Hardy, Kipling, Shaw, and Yeats.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4426 - Twentieth-Century British Literature (3)

Survey of major twentieth-century authors of Great Britain and Ireland, including ethnic literature.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4427 - American Romanticism (3)

Survey of the major nineteenth-century American literature; authors may include Poe, Emerson, Thoreau, Hawthorne, Melville, Whitman, and Dickinson.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4428 - Twentieth-Century American Literature (3)

Survey of major twentieth-century authors of the United States; authors may include Frost, Pound, Eliot, Stevens, O'Neill, Williams, Faulkner, Hemingway, Fitzgerald, Hurston, Wright, Baldwin, Ginsberg, Kerouac, Lowell, Plath, Roth, Morrison, and DeLillo.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4429 - Multicultural American Literature (3)

Survey of non-canonical texts in American literature with a focus on pedagogical strategies.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4430 - Literature of the American South (3)

Survey of Southern American literature from the Colonial period to the present; authors may include Jefferson, Douglass, Page, Faulkner, Wright, Welty, O'Connor, Dickey, and McCarthy.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4431 - History of the English Language (3)

Survey of the historical development of the English language.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4432 - Creative Writing Methods for Teaching Learning Content (3)

Exploration of instructional methods that employ poetry, fiction, and creative non-fiction to teach learning content at the secondary level.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4440 - Reading and Writing in the Content Areas (3)

Strategies, cultural issues, reflective practice, motivation, scaffolding, standards, and assessment at the secondary level.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4450 - Seminar in Composition Studies (3)

Instruction in the history of composition studies and the teaching of writing at the secondary and post-secondary levels.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4455 - Survey of English Usage for Teachers (3)

Survey of rhetoric, grammar, syntax, and the historical development of English.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4456 - Reading Improvement at the Secondary Level (3)

A survey of materials, methods, developmental and remediation programs, and library research at the secondary level.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4460 - Literary Criticism (3)

A seminar on the ideas, methods, and history of literary criticism.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4480 - Major Authors (3)

An in-depth seminar study of selected author[s].

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4481 - Seminar in Film (3)

An in-depth seminar study of a selected topic in film; may include a focus on a particular director, period, or style.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4490 - Special Topics (3)

Topics vary. Students may earn up to six hours of credit toward the English major.

ENGL 4492 - Creative Writing: Poetry (3)

Studies of the various techniques for writing poetry.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4493 - Creative Writing: Non-Fiction (3)

Studies and practice in the various genres of creative non-fiction.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4494 - Creative Writing: Fiction (3)

Study of the various techniques for writing fiction.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4495 - Creative Writing: Screenwriting, Drama, and Adaptation (3)

Study of the various techniques for writing for the screen and stage.

Prerequisite: 2000-level ENGL course with a grade of "C" or better.

ENGL 4498 - Senior Seminar Research in English (1)

A seminar research tutorial in preparation for ENGL 4499.

Prerequisite: 18 hours of English or permission of instructor; students graduating in a fall semester must take this course the previous fall.

ENGL 4499 - Senior Seminar in English (2)

As a capstone experience, students will prepare a major research paper or a creative writing project.

Prerequisite: 21 hours of English or permission of instructor; English majors should enroll during the spring semester of the senior year.

ENGL 4930 - Internship in English (1-3)

A supervised learning experience in the area of English that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

ENVS - ENVIRONMENTAL SCIENCE**ENVS 2070 - Environmental Science (3)**

Introduction to the study of man's interaction with the environment. Problems of energy and resource utilization and waste disposal resulting in air, water and land pollution. Lecture only.

Prerequisite: ENGL 1101 (Grade of "C" or better).

ENVS 2200 - Introduction to Geographical Information Systems (3)

The course will introduce students to basic concepts and techniques of Geographical Information Systems, covering data acquisition, spatial queries, basic spatial analysis, and cartographic design. Lecture only.

Prerequisite: None.

ENVS 3300 - Geographical Information Systems Applications (3)

An advanced GIS course that builds on skills developed in GISS 2200. Students will learn about a broad spectrum of GIS applications and will receive oversight in the development of their own mapping project. Lecture only.

Prerequisite: ENVS 2200.

ENVS 3650 - Comparative Physiology (4)

Study of the major physiological processes in animals and how these processes are affected by different environments. Lecture and laboratory.

Prerequisite: BIOL 1102 and BLAB 1102; CHEM 1102 and CLAB 1102 recommended.

ENVS 3990 - Philosophy and Methodology of Science (3)

Overview of the history and philosophy of science; introduction to scientific research methods including concepts of statistical analyses, testing alternative hypotheses, and experimental design. Requires development of prospectus for senior research ENVS 4980 (ENVS 498) in consultation with thesis director. Lecture only.

Prerequisite: One course in a 3000/4000-level science.

ENVS 4800 - Special Topics in Natural Sciences (1-4)

This course examines special topics in the natural sciences related to biology, chemistry, geology or environmental science, which are not part of the formal offerings of the department. May be repeated for credit only if the topic changes.

Prerequisite: Permission of department chair.

ENVS 4930 - Internship in Natural Sciences (1-3)

This course allows students the opportunity to participate in applied job-related experience in the natural sciences: biology, chemistry, geology or environmental science. The course may be repeated for credit.

Prerequisite: Major in science and permission of department chair.

ENVS 4950 - Science Seminar (1)

Seminar presentation of a senior research project.

Prerequisite: Senior standing in science major and ENVS 4980 or ENVS 4981.

ENVS 4959 - Honors Science Seminar (1)

Seminar presentation of honors research project.

Prerequisite: Senior standing in science major; must be taken simultaneously with ENVS 4999.

ENVS 4980 - Senior Research (3)

Conduction of senior research under the direction of a research director.

Prerequisite: ENVS 3990 and senior standing.

ENVS 4981 - Senior Library Research (2)

For science majors completing a B.S. degree but not taking a senior research course (ENVS 4980 or ENVS 4989). This is a capstone preparation course in which students learn the basics of science literature research, science writing, and oral presentation.

ENVS 4989 - Honors Senior Research (3)

Honors research under the direction of the thesis director.

Prerequisite: ENVS 3990, senior standing, and permission from director and member of the Honors Committee.

ENVS 4999 - Honors Thesis (2)

Writing and approval of a thesis on a research project conducted in ENVS 4989. Thesis must be in the format of a scientific article and be approved by the thesis director and one additional reader from within the natural sciences.

Prerequisite: ENVS 4989; must be taken simultaneously with ENVS 4959.

ERSC - EARTH SCIENCE**ERSC 2201 - Physical and Historical Geology of Georgia (4)**

Fundamentals of mineralogy, petrology, and plate tectonics as they relate to the Southeastern region of the United States; major geologic provinces of Georgia and their constituent economic rocks and minerals; paleogeology and tectonic history of Georgia and the Appalachian Mountains. Lecture and laboratory.

Prerequisite: Any laboratory science sequence or equivalent.

ERSC 2202 - Astronomy and Meteorology (4)

Various aspects of astronomy and meteorology. Formation of our solar system, the nature of gravity and light, the composition of the other planets in our solar system and the nature of stars, galaxies, and the universe. The study of atmospheric composition, cloud formation, atmospheric circulation, and the formation and movement of weather systems. Lecture and laboratory.

Prerequisite: Any laboratory science sequence or equivalent.

FREN - FRENCH**FREN 1101 - Elementary French I (3)**

Essentials of French, with special emphasis on oral-aural training in the language. Practice in pronunciation, simple conversation and diction. Includes laboratory.

FREN 1102 - Elementary French II (3)

Continuation of FREN 1101. Readings from selected texts, with special attention to grammar, idioms, verbs and simple composition. Includes laboratory.

Prerequisite: FREN 1101, its equivalent, or permission of the instructor.

FREN 2200 - The French Experience (3)

An overview of the contributions of the French-speaking world to the disciplines of the fine arts, especially literature, film and music; possibly architecture, painting and sculpture as determined by interest.

Prerequisite: FREN 1101-FREN 1102 or its equivalent or permission of instructor. Instruction given in English but some reading knowledge of French is desirable.

FREN 2201 - Intermediate French I (3)

A course designed to help the students express themselves with ease in oral and written French. Concentration on reading of standard texts with emphasis placed on grammar review, composition and basic conversation in French.

Prerequisite: FREN 1102 or equivalent entrance credit.

FREN 2202 - Intermediate French II (3)

A continuation of FREN 2201

Prerequisite: FREN 2201 or permission of instructor.

FREN 3300 - Special Topics/Projects (1-9)

Addresses concerns which relate French culture and language to a variety of disciplines especially the fine arts, depending upon circumstance, academic need and appropriateness. For example, diction lessons for students of voice, surveys of French dramatic literature, travel/study in French setting. This course may be repeated twice for academic credit, if content area is different.

Prerequisite: No formal prerequisite, but reading skill in French is desirable.

FREN 3360 - Introductory International Business: Language and Culture (3)

This language and culture course will prepare business and language majors for successful communication in the international business world by building upon their existing knowledge and emphasizing practical, real-life use of oral and written foreign language. This course will introduce the student to essential business terminology and language situations in common business contexts, reinforcing strategies for understanding, interpreting, and responding to new information. This course will also help the student to be alert to the importance of cultural awareness in doing business in foreign countries or with foreigners/ nationals in the United States.

FREN 4930 - Internship in French (1-3)

A supervised learning experience in the area of French that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

FRSC - FORENSIC SCIENCE**FRSC 1101 - Criminalistics (3)**

This introductory forensic science course will introduce various methodologies and applications used in the forensic sciences. Students will gain an understanding of how the physical and social sciences intersect to solve crimes. The course will cover the most common types of physical evidence obtained in criminal cases and discuss how evidence recovered from the crime scene moves to the crime laboratory, where it is processed and analyzed.

FRSC 2100 - Essential Practices of Forensic Science (3)

Basic practices of forensic science including documentation methods (measurements, notes, sketches, and photography), microscopy, communication of results, and integration of concepts from other sciences including chemistry, biology, and physics, as well as mathematics and statistics.

FRSC 3100 - Crime Scene Investigation (3)

This course examines practical aspects of crime scene investigation. Students will be introduced to the investigative process, procedures that must be adhered to, and challenges faced in the investigation of a crime. Basic protocol and procedures that assist the forensic scientist in conducting a thorough investigative crime scene search will be examined. Procedures such as documenting the crime scene by sketching, note taking, and photography is of focus in this course. Emphasis is placed on identification, collection, and gathering of evidence.

FRSC 3200 - Fingerprint Identification & Classification (3)

This course discusses the techniques involved in detection, enhancement, recovery, and preservation of latent fingerprints from the crime scene and physical evidence. The classification component of the course will explain and discuss how fingerprints are classified using the Henry System of fingerprint classification.

FRSC 4200 - Forensic Death Investigation (3)

The course will review basic procedures used when conducting investigations of different types of human death. Knowledge gained in this course will help students understand the investigator's role in the death investigation process, medical examiner/coroner's office, and other death investigation related phenomena. Upon completion of this course, students should have a better understanding of what happens beyond crime scene and criminal investigations.

FRSC 4750 - Internship in Forensic Science (1-3)

Course designed for the optional participation in job-related experience in the field of forensic science.

FRSC 4900 - Forensic Science Senior Research and Seminar (1)

Integrates the student's knowledge through reading, writing, and discussion concerning current developments in forensic science. This is the capstone experience for forensic science majors.

GEOL - ENVIRONMENTAL GEOLOGY**GEOL 1101 - Physical Geology (3)**

Fundamentals of physical geology: characteristics and origins of rocks and minerals; mechanisms and processes of volcanism, plutonism, metamorphism, weathering, erosion, sedimentation, and lithification; evolution of landforms; continental drift, sea-floor spreading, plate tectonics, and the internal structure of the Earth. Lecture and laboratory.

Corequisite: GLAB 1101 or passing grade in GLAB 1101.

GEOL 1102 - Historical Geology (3)

Geologic time, the geologic record, and methods used to interpret Earth's history. Formation and evolution of Earth and Earth's atmosphere; evolution and distribution of plant and animal life on Earth, and prehistoric man. Lecture and laboratory.

Prerequisite: GEOL 1101 and GLAB 1101.

GEOL 2210 - Environmental Geology (3)

Concentrates on the near-surface stratigraphy and sedimentation interpretative techniques as related to unconsolidated and bedrock hydrogeologic systems; understanding contaminant sources and basic contaminant hydrogeology, including software application; discussion of techniques/tools for environmental geology consulting; and exposure to processes responsible or geologic hazards and mitigating geohazards; human interaction with the geological environment; and evaluation of natural resource extraction and use.

GEOL 3050 - Current Topics in Environmental Geology (2)

This is a seminar course designed to inform and engage students about current issues in Environmental Geology. Students will critically review current research in the area of Environmental Geology through readings, discussions, analyses, and presentations. Lecture only.

Prerequisite: GEOL 1101, GLAB 1101, CHEM 1102, and CLAB 1102.

GEOL 3100 - Hydrology (3)

Water is an important part of the earth's geologic system. From an academic standpoint it is meaningful for students of geology to fill out their knowledge of the earth with this integral component; and with respect to ground and surface water, none are better prepared to understand its behavior than geologists. But even the more, from the standpoint of human need, water is a critical natural resource, and it is not unlimited in abundance or invulnerable to contamination. A major part of the drinkable water of the earth (and water for other important uses) resides in the ground. An understanding, both in a general sense and in a quantitative sense, of the residence and movement of water is vital to maintaining quality of life for humanity. For this reason, this course is not only recommended for geology majors, but for any student whose discipline involves protection or management of or interest in the natural environment.

Prerequisite: GEOL 1101, GLAB 1101, and GEOL 3050 or ENVS 2070; MATH 2450 preferred.

GEOL 3990 - Philosophy and Methodology of Science (3)

Overview of the history and philosophy of science; introduction to scientific research methods including concepts of statistical analyses, testing alternative hypotheses, and experimental design. Requires development of prospectus for Senior Research GEOL 4980 in consultation with thesis director. Lecture only.

Prerequisite: At least one course in a 3000/4000 level science.

GEOL 4800 - Special Topics in Natural Sciences (1-4)

This course examines special topics in the natural sciences related to biology, chemistry, geology or environmental science, which are not part of the formal offerings of the department. May be repeated for credit only if the topic changes.

Prerequisite: Permission of department chair.

GEOL 4930 - Internship in Natural Sciences (1-3)

This course allows students the opportunity to participate in applied job-related experience in the natural sciences: biology, chemistry, geology or environmental science. The course may be repeated for credit.

Prerequisite: Major in science, have necessary course work determined by faculty supervisor, and permission of department chair.

GEOL 4950 - Science Seminar (1)

GEOL 4959 for majors participating in Science Honors program. Presentation of thesis research.

Prerequisite: Senior standing in science major.

GEOL 4959 - Honors Science Seminar (1)

Seminar presentation of honors research project.

Prerequisite: Senior standing in science major; must be taken simultaneously with GEOL 4999.

GEOL 4980 - Senior Research (3)

GEOL 4989 for majors participating in Science Honors program. Conduction of senior research under direction of Thesis Director.

Prerequisite: GEOL 3990 and senior standing.

GEOL 4981 - Senior Library Research (2)

For science majors completing a B.S. degree but not taking a senior research course (BIOL 4980 or BIOL 4989). This is a capstone preparation course in which students learn the basics of science literature research, science writing, and oral presentation.

Crosslisted as: BIOL 4981.

GEOL 4989 - Honors Senior Research (3)

Honors research under the direction of the thesis director.

Prerequisite: GEOL 3990, senior standing, and permission of the instructor.

GEOL 4999 - Honors Thesis (2)

(must be taken simultaneously with GEOL 4959) Writing and approval of thesis on research project conducted in GEOL 4980. Thesis must be in the format of a scientific article and be approved by the Thesis Director and one additional reader from within the natural sciences.

Prerequisite: GEOL 4989. Corequisite: GEOL 4959.

GLAB - ENVIRONMENTAL GEOLOGY**GLAB 1101 - Physical Geology Lab (1)**

Laboratory portion of Physical Geology. To be taken in conjunction with GEOL 1101.

Corequisite: GEOL 1101 or passing grade in GEOL 1101.

GLAB 1102 - Historical Geology Lab (1)

Laboratory portion of Historical Geology. To be taken in conjunction with GEOL 1102.

Corequisite: GEOL 1102 or passing grade in GEOL 1102.

GRDS - GRAPHIC DESIGN**GRDS 1110 - Practicum (1)**

Provides academic credit to students who work in areas of responsibility in graphic design, for example, working for a newspaper or magazine, working on the yearbook, etc. Students are required to work individually with the assigned professor and to log a minimum of thirty hours work in the field. At the end of the semester students are required to submit an 8-10 page paper explaining the role that they played in the creation of the designs and a complete portfolio with one copy of each design created during the term.

Prerequisite: Consent of instructor.

GRDS 2200 - Foundations in Graphic Design (3)

Introduction to visual communication as a creative, technical, and conceptual process. Emphasis is place on the study of typography, the grid and design principles.

Prerequisite: None.

GRDS 2250 - Foundations in Graphic Design II (3)

Emphasis is placed on concept development and creative problem solving as both an individual designer and within a collaborative environment. Introduction to print and interactive processes.

Prerequisite: GRDS 2200 or consent of instructor.

GRDS 2260 - Digital Photography (3)

This course is a study of the principles, terminology, techniques, tools and materials of digital photography. An additional 3 hours of independent studio work is required.

Prerequisite: None.

GRDS 2270 - Print (3)

Introduction to print-based design processes, techniques, and approaches. Publication design is introduced through community-based projects and collaborative projects.

GRDS 3270 - Interactive I (3)

Introduction to interactive design techniques and processes. Students are introduced to web design and structures in addition to organizational processes for the web. Formatting content for the web is emphasized.

Prerequisite: GRDS 2250.

GRDS 3330 - Special Topics in Graphic Design (3)

Topic for class will be determined by the professor. Selected topics in graphic design may include: typography, printing, packaging, posters, magazine or newspaper layout, educational DVDs, industrial design, corporate design, logos, large format design, displays, graphic design history, visual communications, client relationships, etc.

Prerequisite: Consent of instructor.

GRDS 3350 - History of Graphic Design (3)

Major movements and pivotal artists/designers and directors, and their impact on current graphic design trends. Students will explore various styles and techniques that span the history of graphic design both in lecture and in studio practice. An additional 3 hours of independent studio work is required, including research, papers, and creating designs.

Prerequisite: GRDS 2200 or consent of instructor.

GRDS 4400 - Typography (3)

In depth exploration of the typographic form as a method to convey meaning and concept. Topics may include alternative approaches to typography, in depth research of typefaces and conceptual applications of letterforms.

Prerequisite: GRDS 2200, GRDS 2250.

GRDS 4401 - Interactive II (3)

Advanced exploration of interactive experiences, specifically focusing on the user experience, creative problem solving for the web and designing experimental web experiences.

Prerequisite: GRDS 3270.

GRDS 4410 - Internship in Graphic Design (3)

Internships give students practical work exposure. The student will work either in a business or an agency and will be supervised by external personnel and designated faculty. At the end of the semester students are required to submit a journal explaining the role that they played in the creation of the designs and a complete portfolio with one copy of each design created during the term.

Prerequisite: Consent of instructor.

GRDS 4460 - Advanced Graphic Design Studio (3)

Advanced exploration of graphic design across multiple platforms. Students engage with semester long exploration of topics that engage them. Final product for the class will lead into or result in Capstone work for the major.

Prerequisite: GRDS 3350.

GRMN - GERMAN**GRMN 1101 - Elementary German I (3)**

Essentials of German, with special emphasis upon oral-aural training in the language. Practice in pronunciation, simple conversation and diction. (Open only to students without equivalent credit in German.) Includes laboratory.

GRMN 1102 - Elementary German II (3)

Continuation of GRMN 1101. Reading from selected texts, with special attention to grammar, idioms, verbs and simple composition. Includes laboratory.

Prerequisite: GRMN 1101 or equivalent entrance credit.

GRMN 2201 - Intermediate German I (3)

A course designed to help students express themselves with ease in oral and written German. Concentration on reading of standard texts. Includes laboratory.

Prerequisite: GRMN 1102 or equivalent entrance credit.

GRMN 2202 - Intermediate German II (3)

A continuation of GRMN 2201

Prerequisite: GRMN 2201 or permission of instructor.

GRMN 2205 - German Conversation (3)

Designed to improve pronunciation and to increase proficiency in the practical use of German in conversation.

Prerequisite: GRMN 2202 or permission of instructor.

GRMN 3335 - German Literature (3)

Readings from representative literary works of German literature, focusing on genre (Gattungen).

Prerequisite: GRMN 2202.

GRMN 3360 - Introductory International Business: Language and Culture (3)

This language and culture course will prepare business and language majors for successful communication in the international business world by building upon their existing knowledge and emphasizing practical, real-life use of oral and written foreign language. This course will introduce the student to essential business terminology and language situations in common business contexts, reinforcing strategies for understanding, interpreting, and responding to new information. This course will also help the student to be alert to the importance of cultural awareness in doing business in foreign countries or with foreigners/nationals in the United States.

GRMN 4435 - German Cinema (3)

A survey of German film; may include a focus on particular directors, periods, and styles. The course will be taught in English; proficiency in German is helpful but not required.

GRMN 4930 - Internship in German (1-3)

A supervised learning experience in the area of German that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

HIST - HISTORY**HIST 1111 - World History to the Mid-17th Century (3)**

A survey of the main currents of political, social, religious, and intellectual activity from the time of ancient Middle-Eastern civilization to the Age of Discovery.

HIST 1112 - World History since the Mid-17th Century (3)

A survey of the main currents of political, social, religious, and intellectual activity from the Age of Discovery to the present.

HIST 1113 - Transformative Developments in Western Civilization (1500-present) (3)

Is a content course which exposes students to the important discoveries and major political, social, economic, religious, and intellectual activities that have changed Europe and the Middle East from the time of the Protestant Reformation to the present.

HIST 2212 - Pivotal Moments in Recent U.S. History (3)

The political, social, economic and cultural development of the United States from 1912 to the present.

HIST 2280 - Introduction to Historiography (3)

This course is designed as an introduction to historical research and it is a required part of the History majors. This course does not meet the requirements for General Education but may be of interest to non-history majors.

HIST 3301 - History of the United States to 1836 (3)

The political, social, economic and cultural development of the United States from the Colonial period to the end of the Jacksonian era.

HIST 3302 - History of the United States, 1836-1912 (3)

The political, social, economic and cultural development of the United States from 1836 to 1912.

HIST 3305 - History of Women (3)

Introduction to the history of American women, focusing on women's experiences in family, economic, and public life. Other topics to be examined include the role of women in America's westward expansion, religious revivals, urbanization, immigration and migration, and industrialization.

HIST 3310 - Twentieth Century Europe (3)

Europe's economic, social, intellectual and political development since 1870.

HIST 3320 - History of England to 1714 (3)

English institutional, intellectual and constitutional development from the Roman occupation through the reign of Queen Anne.

HIST 3321 - History of England since 1714 (3)

English institutional, intellectual and constitutional development from 1714 to the present.

HIST 3326 - History of African Civilizations (3)

The history of Africa from pre-colonial times to the 20th century; introduction to political economics of African people as well as to their social and cultural innovations.

HIST 3330 - History of Georgia (3)

Political, economic and social developments in Georgia; the relationship of these developments to those on the national level; a look at some of the outstanding personalities in Georgia's history and the structure of the state government.

HIST 3340 - Latin America (3)

History of the nations of Latin America from the wars for independence to the present, with special emphasis on the growing importance of Latin America in world affairs.

HIST 3341 - Antebellum South (3)

History of the American South from the Federalist era to the election of 1860, with special emphasis on the institutions of the plantation and slavery.

HIST 3350 - Russia/Soviet Union (3)

History and culture of the peoples of Russia and the former U.S.S.R./Commonwealth of Independent States from the prehistorical period to the present.

HIST 3360 - American Colonial History (3)

History of what is now the continental United States during the Colonial and Revolutionary period, from 1492 to 1789.

HIST 3370 - American Social and Intellectual History (3)

American concepts, attitudes and ideas within their social framework, beginning with the European heritage and continuing to the present, with a particular focus on American philosophy, science, literature, religion and art.

HIST 3380 - The Rise of Modern China (3)

The history of China, 1600 to present. The course deals with the decline of the traditional Chinese system, imperialism, and the rise of a new China.

HIST 3390 - Modern Southeast Asia (3)

The modern transformation of Southeast Asia, focusing on the colonial encounter and its transformational impact on the Southeast Asians.

HIST 4400 - History of the Ancient World (3)

Cultural, intellectual and institutional development of the ancient world to the fall of the Roman Empire.

HIST 4425 - The Renaissance and Reformation (3)

Cultural, political, social and theological developments in Europe from about 1350 to 1650.

HIST 4430 - History of Spain (3)

History and culture of the people of Spain from prehistory to the present.

HIST 4440 - Hitler's Germany (3)

History and culture of Germany from 1858 to the present.

HIST 4480 - Historiography (3)

The writing of history, concentrating on the major historians and interpretations; philosophies of history and the relationship of history to other disciplines; directed research involving topic selection, source selection, and evaluation; and writing style and form. A formal research paper is a major component of this course. This is the capstone course for the history major and broad field social sciences major in secondary education.

Prerequisite: HIST 2280.

HIST 4490 - Special Topics I (3)

An intensive study of a special topic not otherwise offered in the history curriculum. Topic, methodology, and instructor vary from semester to semester. Course content includes intensive reading, and/or research, and/or field experience.

HIST 4491 - Special Topics II (3)

This course may be a continuation of work done in HIST 4490 or may focus on an entirely different subject.

Prerequisite: HIST 4490.

HIST 4930 - Internship in History (1-3)

A supervised learning experience in the area of history that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

HSCS - HEALTH SCIENCE**HSCS 1101 - Emergency Techniques (2)**

Principles and techniques in the emergency care of injuries and conditions to the physically active. Content will include, but is not limited to, CPR, basic life support, AED usage, oxygen administration, Heimlich maneuver, emergency response and the healthcare chain. Special consideration will be given to blood-borne and airborne pathogens and the prevention of disease transmission

HSCS 1105 - Medical Terminology (2)

Designed to familiarize the student with the language of medicine including the human body, medical conditions and processes. Focus is on root words, prefixes and suffixes for word building.

HSCS 1110 - Introduction to Health Sciences (3)

This course introduces the basic components of health science professions, including the roles, responsibilities, employment options, and skills used by athletic trainers and other allied healthcare professionals. Evidence-based practice principles, ethical decision making, basic medical terminology, and use of medical records are also included. A minimum of 25 hours of clinical observations are required for students applying to the Athletic Training Program.

HSCS 2200 - Introduction to Health Professions (3)

Addresses study/test taking skills, time management, and the relationship of the general education courses to the healthcare professions. Emphasizes critical thinking and problem solving skills.

HSCS 2202 - Care and Prevention (3)

This course explores functional anatomy, the five principles of conditioning, and the basic recognition, care, and prevention of common sports injuries. Sphygmomanometer, stethoscope, ophthalmoscope, and otoscope use will also be introduced.

Prerequisite: HSCS 1110 and BIOL 1101 or Instructor permission.

HSCS 2210 - Basic Nutrition (3)

The role of food and nutrition in the health and well-being of the individual and family is examined. Sources of nutrients, nutritional requirements and dietary recommendations are studied as well as fundamentals of digestion, absorption, transport, function and metabolism, nutrient deficiency and toxicity.

Prerequisite: BIOL 2100.

HSCS 2221 - Kinesiology and Biomechanics (3)

This course applies the physical laws of motion to human performance. Students will learn how the muscles and joints function to produce movement through changes in external and internal forces, how to calculate projectile and body kinematics, and how to evaluate sports skills to improve performance.

Prerequisite: BIOL 2100.

HSCS 2270 - Clinical Nutrition (3)

This course covers issues in modern nutrition, public health and chronic disease. We will focus on the major non-infectious diseases present in Western countries that are caused by modifiable lifestyle choices and the role that diet plays in maintenance of health and the

risk of chronic diseases. The effects of prescription medications, chemotherapy, and radiation treatments as related to the disease process and nutritional needs will also be explored.

Prerequisite: HSCS 2210.

HSCS 2301 - Health Promotion, Physical Activity, and Wellness (3)

This class is an introduction to the theory of health and wellness promotion. It is designed to provide students with the conceptual foundation necessary to develop, promote, and assess health promotion programs and interventions. Current trends in health promotion for adults and children will be discussed and public health policy and prevention programs evaluated.

HSCS 2321 - Principles of Athletic Coaching (3)

This course emphasizes a comprehensive approach to the foundations and theories of coaching and will provide an overview of concepts that are essential in the preparation of coaching at various skill and academic levels. Topics include developing a coaching philosophy and leadership style, understanding the psychology aspects in areas such as team cohesion, motivation, and improving player performance, and the physical attributes such as sport nutrition and physical training.

HSCS 3301 - Physiology of Exercise (4)

This course explores how the human body functions during the increased demands of exercise. Students will study the metabolic integration of the neuromuscular, cardiovascular, and pulmonary systems. Students will practice physiological evaluation techniques during the laboratory component.

Prerequisite: BIOL 2100 and BIOL 2110.

HSCS 3302 - Pathology and Pharmacology (4)

This course includes the knowledge and clinical skills used to recognize, assess, and care for general medical conditions affecting the physically active. Basic pharmacological concepts, drug classifications, and medication administration in health science practice are also introduced.

Prerequisite: ATRG 2202 or Instructor permission.

HSCS 3321 - Fitness Assessment and Prescription (3)

This course explores the basic theories and application of physical activity testing and measurement. Students will practice fitness evaluation, exercise prescription for healthy and special populations, and elementary statistical analysis procedures.

Prerequisite: HSCS 2221.

HSCS 3330 - Health Care Finance (3)

Provides an understanding of financial information, revenue streams, and stakeholder (providers, consumers, and policy makers) needs to analyze financial position and make management decisions in a health care setting.

Prerequisite: BUSA 1210 (required); ACCT 2010 and ACCT 2020 (recommended); or instructor permission.

HSCS 3331 - Nutrition Through the Life Cycle (3)

This class includes nutrition assessment, individual growth and development, nutrient needs through pregnancy, infancy, childhood, adolescence, adulthood, and older adulthood. Dietary recommendations and disease prevention will be covered.

Prerequisite: HSCS 2210.

HSCS 3395 - Cross-Cultural Health (3)

Focus is on health care practices and beliefs in a variety of cultures that impact the health care system. Political, economic, and geographic factors affecting health care are addressed.

Prerequisite: 6 hours of ANTH, SOCI, and/or PSYC or instructor permission.

HSCS 3430 - Athletic Administration (3)

This course introduces the internal and external components of athletic administration from macro and micro perspectives. Topics include sport management, athletic budgeting, game operations, travel administration, risk management, leadership in sport, and facility management. Case studies involving current issues in athletic administration will also be discussed.

Offered: Spring.

HSCS 3440 - Sport Psychology (3)

This course includes the scientific study of how individuals behave in sport and exercise and the practical application of that knowledge to performance enhancement strategies. Topics include behavior management strategies, aggression, and group dynamic models in sport and exercise settings, biological and psychological models of personality structure, motivational orientations, psychological interventions, and social dynamics in sport.

Prerequisite: PSYC 1101, SOCI 1101, or Instructor Permission. Offered: Spring.

HSCS 4410 - Research Methodology in Health Sciences (3)

This course includes the basic research techniques and scientific writing skills necessary for health care professionals, with a focus on systematic inquiry, the Scientific Method, hypothesis building, reviewing literature, procedure design, and evidence-based practice. The final product of the course will be a complete introduction, review of literature, and methods for an empirical or action research study. We will employ a philosophy of "learning by doing" throughout the course, designed to allow each student to practice the research process.

Prerequisite: MATH 2100 and junior standing.

HSCS 4411 - Health Policy, Law, and Issues (3)

Focus is on the politics, laws and economics related to the delivery of health care. Issues such as managed care competition and legislation, barrier to and benefits of integration, the role of government in medical care and national health insurance, the increase in medical expenditures, prescription drugs and the pharmaceutical industry.

HSCS 4420 - Exercise for Special Populations (3)

This course is designed to increase the understanding and practical application of exercise to special populations. The students will learn and apply knowledge on how to modify exercise for individuals and groups based on age, medical conditions, and special needs. The areas covered will include, but are not limited to: coronary heart disease, diabetes, asthma, obesity, pregnancy, and the physically and mentally challenged.

Prerequisite: HSCS 3321.

HSCS 4440 - Sport Nutrition (3)

An advanced study of the role of nutrition during sport training, competition/performance, and recovery. Topics include the metabolic and physiologic basis for macronutrient and micronutrient recommendations for activity and their relationship to body composition in an athletic population. The validity and safety of dietetic ergogenic aids are also explored.

Prerequisite: HSCS 2210.

HSCS 4450 - Health Sciences Capstone (Capstone Course) (3)

Designed to provide students interested in careers in health sciences with the opportunity to understand and learn how to develop important professional competencies as a foundation for practice. The capstone process will emphasize finding the best available current research and applying EBP principles. Furthermore, the capstone experience will involve researching an approved topic from the major core courses and to enhance knowledge and skills in that area. Students are expected to present their findings as part of the requirement for graduation during this course.

Prerequisite: HSCS 4410; Spring semester senior year (other terms with instructor permission).

HSCS 4499 - Internship in Health Sciences (1-6)

Supervised internship in an approved setting. Students must complete 75 hours on-site per academic credit hour. Internship application and proof of site agreement, memo of supervisor understanding, and signed internship agreement are required no later than 14 days before the first day of the internship. Can be repeated for a total of 6 hours.

Prerequisite: Instructor permission.

IDIS - INTERDISCIPLINARY STUDIES**IDIS 2000 - Intro to Online Learning (1)**

This course provides a foundation for success in an online learning environment. To meet this goal, this course will provide practice in the various moodle features that you are likely to use in your online coursework. In this course you will complete a number of assignments through which you will cultivate the skills to be applied to your Leadership Studies courses.

IDIS 2050 - Prior Learning Portfolio Construction (1)

This course provides a structure for students to document prior learning experiences for the purpose of requesting experiential/prior learning credit. In this course, students will construct a portfolio to demonstrate college-level knowledge acquired through work, volunteer, community, or other experiences prior to arriving at Piedmont College. At the conclusion of this course, this portfolio will be submitted for review to assess whether the learning outcomes of proposed Piedmont courses have been adequately met.

IDIS 2500 - Lillian E. Smith Studies (1)

Lillian E. Smith was a key figure on the forefront of the movement to end racial segregation in the U.S. A writer from the South, she used her work as a platform to advocate on behalf of social justice, diversity, and equality. This course invites students to explore the work of Lillian Smith and consider how it relates to contemporary U.S. and global society.

IDIS 3300 - Cultural Creativity (3)

Examines the political, economic, spiritual, psychological, and cultural views of twentieth and twenty-first century Americans. Piedmont faculty as well as guest experts will teach the class.

IDIS 3305 - Cultural Explorations (3)

This course will familiarize students with the educational, political, spiritual, psychological, and cultural aspects of various nations.

IDIS 3398 - Internship (1-6)

The internship is a supervised volunteer learning experience in an agency that links academic knowledge with practice experience. In addition to the volunteer work performed as an intern, the student may be assigned readings related to the internship.

Prerequisite: Permission of instructor.

IDIS 3500 - Community Development (3)

This course will familiarize students with the educational, political, spiritual, psychological, and cultural aspects of various nations.

IDIS 4499 - Interdisciplinary Capstone Course (3)

Synthesizes the various aspects of the major designed by the student. The student will reflect upon the material from the various disciplines and integrate the experiences with personal goals.

IDIS 4930 - Internship in Interdisciplinary Studies (1-3)

A supervised learning experience in the area of interdisciplinary studies that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

JPNS - JAPANESE**JPNS 1101 - Elementary Japanese I (3)**

Essentials of Japanese, with special emphasis upon oral-aural training in the language. Practice in pronunciation and simple conversation and writing. (Open only to students without equivalent credit in Japanese.)

JPNS 1102 - Elementary Japanese II (3)

Continuation of JPNS 1101 with addition of learning kanji and simple composition.

Prerequisite: JPNS 1101 or equivalent entrance credit.

JPNS 2201 - Intermediate Japanese I (3)

A course designed to help students express themselves with ease in oral and written Japanese.

Prerequisite: JPNS 1102 or equivalent entrance credit.

JPNS 2202 - Intermediate Japanese II (3)

A continuation of JPNS 2201

Prerequisite: JPNS 2201 or permission of instructor.

JPNS 3360 - Introductory International Business: Language and Culture (3)

This language and culture course will prepare business and language majors for successful communication in the international business world by building upon their existing knowledge and emphasizing practical, real-life use of oral and written foreign language. This course will introduce the student to essential business terminology and language situations in common business contexts, reinforcing strategies for understanding, interpreting, and responding to new information. This course will also help the student to be alert to the importance of cultural awareness in doing business in foreign countries or with foreigners/nationals in the United States.

MATH - MATHEMATICS**MATH 1005 - Intermediate Algebra (3)**

This course is designed to help equip students with the skills necessary for MATH 1100, College Algebra. Topics will include the real numbers, exponents, functions, linear equations and inequalities, systems of linear equations, polynomials, factoring, rational expressions, quadratic functions and equations, and radical expressions.

MATH 1100 - College Algebra (3)

Analysis and problem-solving in the areas of algebraic operations and inequalities, graphs and functions, polynomial functions (graphs and zeroes), exponential and logarithmic functions. This course does not count toward a mathematics major.

Prerequisite: Minimum Math ACT score of 17 OR Minimum Math SAT score of 510 OR "C" or better in MATH 1005.

MATH 1113 - Precalculus (3)

Preparation for calculus: fundamentals of algebra, functions and graphs, exponential, logarithmic, and trigonometric functions and introduction to analytical geometry.

Prerequisite: Minimum Math ACT score of 17 OR Minimum Math SAT score of 510 OR "C" or better in MATH 1005.

MATH 2010 - Mathematics for Teachers (3)

This content course is designed for teachers at the elementary school level; topics included are numerical systems, sets and relations, primes and divisors, binary operations and properties, rational numbers, real numbers, problem solving, elementary algebra, geometry, statistics and probability, decimal/fraction/ratio, and proportion/percent operations. This course will not be accepted as part of the requirements of a major in mathematics or as a general education requirement.

MATH 2020 - Geometry for Middle Grades Teachers (3)

Review and extensions of Euclidian geometry, with an emphasis on constructions, practical applications, and fundamental proofs.

Prerequisite: Successful completion of at least one mathematics course numbered 2000 or above; familiarity with high school level geometry.

MATH 2050 - Mathematics for the Liberal Arts (3)

Topics will be chosen from logic, graph theory, combinatorics, probability and statistics, linear programming, game theory, number theory, sets and Venn diagrams, conceptual problem solving and proofs, and selected applications of geometry and algebra.

MATH 2100 - Elementary Statistics (3)

Elementary study of quantitative data, frequency distributions, graphical representations of data, mean and variance of the sample and population, combinatorics, probability theory and probability distributions. Study of binomial, normal and Poisson distributions, sampling and hypothesis tests.

Prerequisite: Minimum Math ACT score of 17 OR Minimum Math SAT score of 510 OR "C" or better in MATH 1005.

MATH 2300 - Discrete Mathematics (3)

Set theory, logic, logic circuits, number systems, proof techniques, combinatorics, probability, recurrence relations and difference equations and modern algebra.

Prerequisite: MATH 1100 or MATH 1113 or MATH 2450.

MATH 2350 - Special Topics (3)

This course examines special topics related to mathematics or statistics which are not part of the formal offerings within the department. May be repeated for credit only if the topic changes.

MATH 2450 - Calculus I (4)

Derivatives of rational, trigonometric, exponential, and logarithmic functions, applications of differential calculus, functions and graphs, elementary integration theory, and applications to real-world problems. Lecture and laboratory.

Prerequisite: Minimum Math ACT score of 22 OR Minimum Math SAT score of 580 OR "C" or better in MATH 1113.

MATH 2460 - Calculus II (4)

Integration of rational, trigonometric, exponential, and logarithmic functions, area and volume, techniques of integration, sequences and series, improper integrals, and applications to real-world problems. Lecture and laboratory.

Prerequisite: MATH 2450.

MATH 2470 - Calculus III (4)

Vector-valued functions, differentiation and integration in 3-dimensional space, partial derivatives, maxima and minima of 2 and 3 variable functions, line and surface integrals, Green's theorem (multidimensional), Stokes' Theorem, conic sections, and applications to real-world problems. Lecture and laboratory.

Prerequisite: MATH 2460.

MATH 2480 - Introduction to Differential Equations (3)

Solution techniques for first-order ordinary differential equations and higher-order linear differential equations, existence and uniqueness theorem, series solutions, Bessel equations, Laplace transforms, systems of first-order linear equations, and applications to real-world problems.

Prerequisite: MATH 2460.

MATH 3300 - Probability and Statistics (3)

Sample space, events, axioms of probability distributions, special distributions, independence, central limit theorem, mathematical expectation and moment-generating functions.

Prerequisite: MATH 2460.

MATH 3400 - Number Theory (3)

Induction, congruencies, Chinese Remainder Theorem, prime numbers, set-theoretic functions, and cryptography.

MATH 3500 - Elementary Numerical Methods (3)

Round-off errors, computer arithmetic with algorithm and convergence, solutions of equations in one variable with polynomial approximation, numerical differential equations and linear systems of equations.

Prerequisite: MATH 2460.

MATH 3550 - Linear Algebra (3)

Vectors, matrices, determinants, linear transformations, vector spaces, systems of linear equations. A basic course with a variety of applications in linear modeling, graph theory, linear programming and economic modeling.

Prerequisite: MATH 2450.

MATH 3600 - Abstract Algebra (3)

Properties of real and complex numbers, algebraic structures (groups, ring and fields). Use of set theory, mappings, relations and logical methods to analyze the algebraic structure of problems and proof techniques.

Prerequisite: MATH 2300 and MATH 3550.

MATH 3700 - Geometry (3)

A review of Euclidean geometry, axiomatic method of learning geometry. Examines the flaw in Euclidean geometry, neutral geometry, and introduces non-Euclidean geometry (Riemann and Lobachevski).

Prerequisite: Completion of at least two mathematics courses numbered 2000 or above.

MATH 4000 - Advanced Differential Equations (3)

Numerical methods, Fourier series, separation of variables, even and odd functions, heat and wave equation, Hermite and Legendre functions.

Prerequisite: MATH 2480.

MATH 4050 - Internship in Mathematics (1-6)

The internship is a supervised learning experience in the field that links academic knowledge with practical experience.

MATH 4100 - Mathematical Modeling (3)

Mathematical models of linear and nonlinear systems, mathematical models in physical, social, and environmental sciences, ecological models, deterministic and statistical modeling, formulation, analysis, solution and interpretation of the models using computer.

Prerequisite: MATH 2470.

MATH 4350 - Advanced Studies in Mathematics (1-3)

This course examines special topics related to mathematics or statistics appropriate for students majoring in mathematics, mathematics education, or physics, which are not part of the formal offerings within the department. May be repeated for credit only if the topic changes.

Prerequisite: At least 12 hours of mathematics.

MATH 4500 - History and Development of Mathematics (3)

Historical development of mathematical systems and concepts, significant applications of mathematics from early times to the present.

Prerequisite: MATH 2450 or MATH 2020 or MATH 3700.

MATH 4600 - Real Analysis (3)

Real and complex number systems, limits and continuity, sequence and series, metric spaces and topology, differentiation and integration of real and vector functions, and Riemann-Stieltjes integrals.

Prerequisite: MATH 2300 and MATH 2470.

MATH 4700 - Complex Analysis (3)

Includes basic facts about the complex number system, limits and functions of a complex variable, power series and analytical functions, integration in the complex plane, singularities and residues, harmonic functions and boundary value problems.

Prerequisite: MATH 2300 and MATH 2470.

MATH 4930 - Internship in Mathematics (1-3)

A supervised learning experience in the area of mathematics that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

MATH 4950 - Directed Independent Research (3)

Directed independent research projects can be selected in the area of mathematics, statistics, mathematical education, or computational mathematics. Results must be presented in writing or orally to the department.

Prerequisite: Senior standing.

MATH 4960 - Senior Seminar (2)

As a capstone experience, students will prepare and present results from MATH 4950 orally and in writing.

Prerequisite: MATH 4950 and Senior standing in mathematics.

MATH 4990 - Directed Independent Study (3)

Independent study of various mathematical topics.

Prerequisite: MATH 2470.

MCOM - MASS COMMUNICATIONS

MCOM 1110 - Public Speaking (3)

This course prepares students for formal and informal speaking, including informative, persuasive, demonstration, visual aid and impromptu speeches, as well as exploring nonverbal, group dynamics and different styles of propaganda.

MCOM 1500 - Mass Media Survey (3)

This course examines the structure, responsibilities, and influence of mass media with an overview of the development and current status of global media systems, emerging technologies and the current status of converging media industries.

MCOM 1600 - Sports Communications and Society (3)

This course examines the relationship between sports and society, as produced through the lens of mass media. Students will analyze how mass media has covered athletes and sports organizations, examine the still-growing multi-billion dollar sports industry, and understand how media and sports have impacted society.

MCOM 2200 - Media Writing I (3)

In this course, students learn the principles of journalistic writing, including reporting, AP Style and objective storytelling.

Prerequisite: ENGL 1101.

MCOM 2250 - Copyediting and Design (3)

This course examines concepts of publication editing, providing practical experience in copyediting. Students are also introduced to publication design fundamentals and assume an editorial capacity in the publication of a final product.

Prerequisite: MCOM 1500 and MCOM 2200.

MCOM 2275 - Photojournalism (3)

This course examines principles of visual journalism, focusing on telling journalistic stories through still photography.

Prerequisite: MCOM 1500 and MCOM 2200.

MCOM 2300 - Media Writing II (3)

This course explores journalistic writing across multiple platforms, including public relations, blogs, social media, and radio and TV news. Students are also introduced to basic concepts of visual storytelling.

Prerequisite: MCOM 1500 and MCOM 2200.

MCOM 2350 - Advanced Writing and Reporting (3)

This course examines multiple areas of journalistic writing, including: opinion, review, feature, sports and enterprise. Students also learn how to incorporate in-depth reporting into their writing.

Prerequisite: MCOM 1500 and MCOM 2200.

MCOM 2400 - Video Production I (3)

This course examines the methods of pre-production, production, and post-production for television. It includes active management of TV Piedmont.

MCOM 2500 - Audio Production I (3)

Introduction course to audio production and announcing, including on-air experience on WPCZ, the student-run radio station.

MCOM 3001-3010 - Practicum (1)

This course provides academic credit to students who work in areas of responsibility in mass communications, such as an editor or reporter for the newspaper, managing and producing a regularly-scheduled radio program, working on the yearbook or magazine, reporting, producing or directing for TV Piedmont, or serving as a member of the Piedmont Debate Team. Students are required to work individually with the assigned professor, log a minimum of 30 hours work in the field, and submit a reflective paper at the end of the semester.

MCOM 3050 - Mass Media Internship (3)

This course introduces students to the professional workplace and provides practical experience with organizations and companies in mass communications. Opportunities are available for sports communications majors to intern in the Piedmont Lions Sports Information Office.

Prerequisite: MCOM 1500 and Mass Communications faculty approval.

MCOM 3100 - Special Topics in Mass Media (3)

This course covers selected topics in mass media, including Introduction to Film Studies, Film Production, Screenwriting, Documentary Films, Community Journalism, Advanced Public Speaking and Debate, Entertainment Programs for TV, Web Design, and Writing Opinions and Editorials.

Prerequisite: MCOM 1500.

MCOM 3150 - Entertainment Television (3)

History of the evolution of television as an art form and communication medium. Methods of preproduction, production, and post-production for episodic television. Students will produce several episodes for TV Piedmont/piedmontroar.com.

Prerequisite: MCOM 2400.

MCOM 3200 - Web/Social Media Design (3)

In this course, students develop and learn best practices for website development in mass media, and learn to develop their social media presence online.

Prerequisite: MCOM 1500.

MCOM 3250 - Advanced Technologies for Media (3)

In this advanced Web course, students will further their knowledge and skills in Web design using various software programs, including Adobe Dreamweaver. Also, students will apply their communication and Web design skills by working in conjunction with an outside client to produce a website for the client's use.

Prerequisite: MCOM 1500 and MCOM 3200.

MCOM 3300 - Media, Society, and Technology (3)

This course analyzes relationships among media, technology, and society in relation to economic, political, professional, institutional, and ethical dimensions within a global context.

MCOM 3400 - Video Production II (3)

In this course, students produce weekly newscasts to be broadcast on TV Piedmont and/ or The Roar website. Students will become proficient in all aspects of news production, including reporting, producing and videography.

Prerequisite: MCOM 2400.

MCOM 3450 - Editing & Graphics for TV and Film (3)

In this course, students study methodologies and techniques of video and film editing. They utilize the latest digital editing software to produce programs to air on TV Piedmont.

Prerequisite: MCOM 1500 and MCOM 2400.

MCOM 3500 - Audio Production II (3)

This course provides academic credit for active management of the College radio station, including student-produced radio programming, technical assistance, announcing and promotion.

Prerequisite: MCOM 2500.

MCOM 3600 - Announcing for Radio and TV (3)

This course will provide students an overview of the skills and techniques required to be a professional announcer for a radio or TV station. Oral communication techniques such as voice articulation and enunciation will be explored.

Prerequisite: MCOM 1500.

MCOM 3650 - Sportscasting (3)

This course will provide students an overview of the numerous tasks involved in producing a live, play-by-play sports broadcast. This course will also introduce students to the skills needed to produce a daily/weekly sports report.

Prerequisite: MCOM 1500.

MCOM 3700 - Advertising and Communications (3)

This course places emphasis on understanding advertising concepts, organization, and practice-including the economic and social effects-of advertising and promotion.

Prerequisite: MCOM 1500.

MCOM 3750 - Electronic Media Sales and Programming (3)

This course will provide students the opportunity to develop a basic understanding of the workings of professional electronic media programming and decision-making, along with a basic understanding of the broadcast sales function and how to best present a non-tangible product offering.

Prerequisite: MCOM 1500.

MCOM 3800 - Media Management (3)

This course examines the various departments within media organizations and how they integrate into an efficient business operation. This study includes an overview of the regulatory and technical landscapes that face today's media managers.

Prerequisite: MCOM 1500.

MCOM 3850 - Mass Communication Theory and Research (3)

This course focuses on the concepts, philosophies, principles, evolution and the practical application of mass communication theories.

Prerequisite: MCOM 1500.

MCOM 3900 - Public Relations and Branding (3)

This course examines the methodologies for producing successful public relations campaigns for corporations, non-profits, community-based organizations and political campaigns.

Prerequisite: MCOM 1500.

MCOM 4200 - Telecommunications & Globalization (3)

This course provides an overview of traditional and emerging global telecommunications technologies, including understanding traditional and emerging networks and the cultural, economic and political impact of these technologies on a global basis.

Prerequisite: MCOM 1500.

MCOM 4300 - Communications Law and Ethics (3)

This course provides an overview of current and emerging communications law and public policy as it relates to the purpose and operation of public and private institutions, freedom of speech and the media, privacy, equal access, copyright, public opinion, monopoly, antitrust laws and media ethics.

Prerequisite: MCOM 1500.

MCOM 4900 - Professional Development in Mass Communications (1)

In this course, students will compile the best examples of their work in Mass Communications into a digital portfolio. Students will also write career objectives and personal statements. They will create resumes suitable for their chosen career path(s).

MCOM 4999 - Advanced Studies in Mass Media (3)

This capstone seminar class is designed to synthesize and integrate the theories and skills of mass communications. Students are required to give both a written and oral presentation of their senior capstone project. This senior thesis project demonstrates the student's abilities in the following areas: technology, public speaking, content knowledge, creativity and organization. Students must score 85 percent or better on the capstone thesis and presentation to pass the course. Capstone projects are evaluated by all members of the mass communications faculty.

Prerequisite: MCOM 3850 and senior standing.

MTHE - MUSICAL THEATRE

MTHE 3000 - Music Theatre History (3)

This course traces the origin of American musical theater from its origins in the 19th century and its subsequent development both on Broadway and in Hollywood to the present.

MTHE 4900 - Music Theatre Capstone (1)

This course is taken in conjunction with THTR 4414 and will allow the student to reflect on the journey and prepare for the future. Students will meet with the professor on a one-on-one basis, set specific goals for their future and develop a professional portfolio. The portfolio will include (but is not limited to) audition materials, a minimum of three resumes targeting various employment opportunities, a minimum of two headshots, digital recordings of personal work within the program and various other elements necessary for a smooth transition into the professional arena. The course will culminate in an exit audition/interview with the faculty.

Prerequisite: Senior standing. Corequisite: THTR 4414 MTHE 4900 is the final step in the Music Theatre degree.

MTHE 4930 - Internship in Musical Theatre (1-3)

A supervised learning experience in the area of musical theatre that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

MUED - MUSIC EDUCATION

MUED 2500 - Explorations in Music Educations (2)

This exploratory course in music education will provide historical, philosophical, and practical foundations for the teaching of music. Initial field and classroom experiences with the methods, tools, language, and literature of the profession will be undertaken in an effort to help the student explore and confirm his or her decision to enter the field.

MUED 3500 - Instrumental Techniques (2)

Designed to acquaint students with knowledge of woodwind, brass, string and percussion instruments.

MUED 4100 - Music Methods, B-8 (3)

Principles and theories of planning and teaching music. Emphasis is placed on traditional areas of instruction but also includes related arts and multicultural approaches to teaching at those age levels. Directed field-based experience is required. (Music majors only.)

MUED 4200 - Music Methods, 6-12 (3)

Principles and theories of teaching music. Directed field-based experience is required. (Music majors only.)

MUED 4400 - Music Education Internship I (3)

A 16-week experience during which students in the undergraduate Music Education degree program work under the joint supervision of certified teachers and the college supervisor in a music classroom at all three levels, elementary, middle school, and high school. Students should be aware that prior to the internship they will undergo a criminal background check as part of the pre-service certification. Placements will be made within a 40-mile radius of the Demorest campus unless otherwise approved by the Music Department chair. Will be taken concurrently with EDUC 3151 Professional Practices III (1 hour credit).

Prerequisite: EDUC 2251 and EDUC 3111. Corequisite: EDUC 3151.

MUED 4410 - Music Education Internship II (9)

This course is a continuation of the internship placement secured in MUED 4400, and is for students completing the requirements for the Bachelor of Arts in Music Education. This experience includes full days of teaching, Monday – Friday, in the host school. Students must complete an application for graduation when registering for this course. The certification exams in the content area must be completed and passed before registration for the course.

Prerequisite: EDUC 2251, EDUC 3111, EDUC 3151, and MUED 4400. Corequisite: EDUC 4497, EDUC 4498, Admission to Teacher Education and hold a pre-service certificate.

MUSC - MUSIC

MUSC 1000 - Introduction to Music (3)

A study of the basic materials of music and a survey of important examples of music literature, style periods, and representative composers of Western music. Emphasizes techniques for listening to music analytically and critically. Course does not count toward a major or minor in music.

MUSC 1050 - Music Fundamentals (1)

Concentrates on the fundamentals of reading and writing music as well as elementary harmony. Essential elements are covered such as staves, clefs, notes, note values, key signatures, scales, meter, intervals and triads. An introduction to the keyboard is included. Course does not count toward a major or minor in music.

MUSC 1100 - Music Theory I (3)

Fundamentals of music including pitch, notation, rhythm, scales, key, mode, intervals and triads. Further aspects of harmony, melody, melodic construction and voice leading are introduced, with emphasis upon the development of written music skills.

Prerequisite: MUSC 1050 or passing score on the Music Theory Placement exam. Corequisite: MUSC 1110.

MUSC 1110 - Aural Skills I (1)

Melodic, harmonic and rhythmic dictation, sight singing, and keyboard harmony. Designed to be taken in conjunction with MUSC 1100.

MUSC 1120 - Music Theory II (3)

Discussion of functional tonality, principles of harmonization, diatonic seventh chords, elementary modulation and secondary function of chords.

Prerequisite: MUSC 1100. Corequisite: MUSC 1130.

MUSC 1130 - Aural Skills II (1)

Melodic, harmonic and rhythmic dictation, sight singing and keyboard harmony. Designed to be taken in conjunction with MUSC 1120.

Prerequisite: MUSC 1110.

MUSC 1171 - Piano Class I (1)

Group lessons in piano for music majors only.

MUSC 1172 - Piano Class II (1)

Group lessons in piano for music majors only.

MUSC 1173 - Piano Class III (1)

Group lessons in piano for music majors only.

MUSC 1174 - Piano Class IV (1)

Group lessons in piano for music majors only.

MUSC 1175 - Piano Class V (1)

Group lesson designed to prepare piano majors for an advanced Piano Proficiency Exam.

MUSC 1500 - Piedmont Chorale (0-1)

A non-auditioned choral organization open to students, staff and community members. The group performs concerts two times each year on campus. May be repeated for credit.

MUSC 1510 - Piedmont College Singers (0-1)

A select choir of mixed voices that performs concerts on campus and at churches and schools throughout the United States. May be repeated for credit.

MUSC 1520 - Wind Ensemble (0-1)

A group of woodwind, brass, and percussion players from across campus that performs concerts during the academic year. Private instrumental instruction is strongly suggested and encouraged while a member of the Wind Ensemble. Auditions are required. May be repeated for credit.

MUSC 1530 - Opera Workshop (0-1)

Provides a laboratory for the study and performance of operas and scenes from operas. Open to all qualified students by audition. May be repeated for credit.

MUSC 1540 - Chamber Ensemble (0-1)

Available to all interested instrumentalists through audition. MUSC 1540 offers a variety of instrumental ensembles, such as woodwinds, brass, strings, percussion, and collaborative piano. Private instruction in an appropriate instrument is strongly suggested and encouraged while a member of one of the Chamber Ensembles. May be repeated for credit.

MUSC 1550 - Piedmont Cantabile (0-1)

An elite group of mixed voices chosen from the Piedmont College Singers. This auditioned group performs jazz, pop arrangements, and avant garde compositions in concerts on campus for special events and on tour across the state and the nation. May be repeated for credit

MUSC 1810 - Private Music Lessons (1)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for non-majors and selected musical theatre majors. Lessons are 30 minutes in length, once per week. Performance in one student recital is required. See the Music Department Handbook for additional information on applied music lessons.

MUSC 1820 - Private Music Lessons (1)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for non-majors and selected musical theatre majors. Lessons are 30 minutes in length, once per week. Performance in one student recital is required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 1810.

MUSC 1900 - Recital Attendance (0)

The Recital Attendance course is required of all music majors in order to develop their active listening skills as members of an audience. Students will use critical thinking skills in comparing, evaluating, and making informed, aesthetic judgments on the performances heard and express those judgments using developmentally appropriate nomenclature.

MUSC 1910 - Private Music Lessons (2)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for music majors and selected musical theatre majors. Lessons are 60 minutes in length, once per week. Performance in one student recital and a final performance jury are required. See the Music Department Handbook for additional information on applied music lessons.

MUSC 1920 - Private Music Lessons (2)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for music majors and selected musical theatre majors. Lessons are 60 minutes in length, once per week. Performance in one student recital and a final performance jury are required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 1910.

MUSC 2000 - History of Jazz and Rock Music (3)

This course provides a history of American popular music from 1840 to the present, with concentration on jazz and rock music. The course presents the common roots of both styles and shows the evolution of these distinct musical styles during the 20th century.

MUSC 2100 - Music Theory III (3)

Neapolitan and augmented sixth chords, borrowed chords, enharmonic function and chromatic modulation.

Prerequisite: MUSC 1120. Corequisite: MUSC 2110.

MUSC 2110 - Aural Skills III (1)

Melodic, harmonic and rhythmic dictation, sight singing and keyboard harmony. Designed to be taken in conjunction with MUSC 2100.

Prerequisite: MUSC 1130. Corequisite: MUSC 2100.

MUSC 2120 - Music Theory IV (3)

Linear chromaticism, nonfunctional harmony, ninth chords, eleventh chords, thirteenth chords, free tonality, set theory, serial procedures and indeterminacy.

Prerequisite: MUSC 2100. Corequisite: MUSC 2130.

MUSC 2130 - Aural Skills IV (1)

Melodic, harmonic and rhythmic dictation, sight singing and keyboard harmony. Designed to be taken in conjunction with MUSC 2120.

Prerequisite: MUSC 2110. Corequisite: MUSC 2120.

MUSC 2300 - Music in the Christian Church (3)

A historical survey of the philosophy and practice of church music and liturgies from the time of the early Christian church to the present.

MUSC 2810 - Private Music Lessons (1)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for non-majors and selected musical theatre majors. Lessons are 30 minutes in length, once per week. Performance in one student recital is required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 1820.

MUSC 2820 - Private Music Lessons (1)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for non-majors and selected musical theatre majors. Lessons are 30 minutes in length, once per week. Performance in one student recital is required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 2810.

MUSC 2910 - Private Music Lessons (2)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for music majors and selected musical theatre majors. Lessons are 60 minutes in length, once per week. Performance in one student recital and a final performance jury are required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 1920.

MUSC 2920 - Private Music Lessons (2)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for music majors and selected musical theatre majors. Lessons are 60 minutes in length, once per week. Performance in one student recital and a final performance jury are required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 2910.

MUSC 3210 - Music History (3)

A three-course sequence designed to provide a chronological perspective of the history of western music from the time of the ancient Greeks up to the present. Although courses are chronological, each component is self-contained and may be taken out of sequence.

Prerequisite: MUSC 1110 or consent of instructor.

MUSC 3220 - Music History (3)

A three-course sequence designed to provide a chronological perspective of the history of western music from the time of the ancient Greeks up to the present. Although courses are chronological, each component is self-contained and may be taken out of sequence.

Prerequisite: MUSC 1110 or consent of instructor.

MUSC 3230 - Music History (3)

A three-course sequence designed to provide a chronological perspective of the history of western music from the time of the ancient Greeks up to the present. Although courses are chronological, each component is self-contained and may be taken out of sequence.

Prerequisite: MUSC 1110 or consent of instructor.

MUSC 3240 - Arranging (2)

Basic techniques of arranging music for chorus, orchestra and band.

Prerequisite: MUSC 2120 and MUSC 2130.

MUSC 3400 - Accompanying Seminar and Practicum (2)

This course is designed to provide the advanced pianist with skills necessary to function in various collaborative venues. Emphasis is placed on sight reading, practical aspects of accompanying, choral score reading, rehearsal techniques, and score preparation.

Prerequisite: Consent of instructor.

MUSC 3430 - Choral Literature (2)

A survey of choral literature from the Renaissance to the present with particular emphasis on performance.

MUSC 3440 - Diction I (2)

Fundamentals in English and Italian pronunciation for singers.

MUSC 3450 - Diction II (2)

Fundamentals in German and French pronunciation for singers.

Prerequisite: MUSC 3440 or consent of instructor.

MUSC 3480 - Beginning Conducting (2)

Development of skills in conducting choral and instrumental music. Special attention is given to learning basic conducting patterns and gestures.

Prerequisite: MUSC 1100, or consent of instructor.

MUSC 3810 - Private Music Lessons (1)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for non-majors and selected musical theatre majors. Lessons are 30 minutes in length, once per week. Performance in one student recital is required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 2820.

MUSC 3820 - Private Music Lessons (1)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for non-majors and selected musical theatre majors. Lessons are 30 minutes in length, once per week. Performance in one student recital is required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 3810.

MUSC 3910 - Private Music Lessons (2)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for music majors and selected musical theatre majors. Lessons are 60 minutes in length, once per week. Performance in one student recital and a final performance jury are required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 2920 and successful completion of the Sophomore Barrier. .

MUSC 3920 - Private Music Lessons (2)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for music majors and selected musical theatre majors. Lessons are 60 minutes in length, once per week. Performance in one student recital and a final performance jury are required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 3910.

MUSC 3990 - Junior Recital (2)

A junior-level performance course designed to integrate material studied throughout the music program in music theory, music history, and performance. While continuing lessons as a part of the 2-hour credit the student will present a final solo recital, in addition to the preparation of the printed program, detailed program notes (including texts and translations, if applicable), publicity materials, and other departmental documentation related to the recital.

Prerequisite: Junior standing (completion of 90 semester hours) and successful completion of MUSC 3910.

MUSC 4480 - Advanced Conducting (2)

Experience in conducting choral and instrumental ensembles, with special attention to score preparation, analysis and reading, and expressive gestures. Students conduct the Piedmont Chorale, Piedmont College Singers, and/or the Wind Ensemble in rehearsals.

Prerequisite: MUSC 3480.

MUSC 4500 - Applied Pedagogy (3)

This course is designed to equip the student with the knowledge to teach beginning, intermediate, and advanced students through exposure to the traditional pedagogical techniques of the student's primary instrument. Emphasis will be placed on surveys of traditional methods and terminology, the operation of a professional studio, physiology, research, and new technological advances.

Prerequisite: MUSC 2910 or consent of instructor.

MUSC 4750 - Special Topics in Music (3)

This course is designed for the study of special music topics which are not part of the formal offerings within the music department. Topics offered include Piano Pedagogy, Piano Literature, Accompanying, Vocal Pedagogy, Vocal Literature, Women in Music, and other courses that may arise due to interest of students or professors.

Prerequisite: MUSC 1120 and MUSC 1130 or consent of instructor.

MUSC 4810 - Private Music Lessons (1)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for non-majors and selected musical theatre majors. Lessons are 30 minutes in length, once per week. Performance in one student recital is required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 3820.

MUSC 4820 - Private Music Lessons (1)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for non-majors and selected musical theatre majors. Lessons are 30 minutes in length, once per week. Performance in one student recital is required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 4810.

MUSC 4900 - Music Capstone (1)

A capstone course designed to integrate material studied throughout the music programs.

Prerequisite: Senior standing.

MUSC 4910 - Private Music Lessons (2)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for music majors and selected musical theatre majors. Lessons are 60 minutes in length, once per week. Performance in one student recital and a final performance jury are required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 3920.

MUSC 4920 - Private Music Lessons (2)

Private lessons in brass, conducting, guitar, organ, percussion, strings, voice, woodwinds, for music majors and selected musical theatre majors. Lessons are 60 minutes in length, once per week. Performance in one student recital and a final performance jury are required. See the Music Department Handbook for additional information on applied music lessons.

Prerequisite: MUSC 4910.

MUSC 4930 - Church Music Internship I (1)

The Church Music Internship is designed for a music student with a concentration in Church Music who desires to make practical application of their skills and musical knowledge developed through their academic curriculum. This course provides the music student with the opportunity to gain practical experience in a Church Music environment by working in a large church music program as a pianist, organist, choir director, leader of any sort of ensemble, or as an assistant to the Music Director. Placement will be made by the department chair. The student is required to log a certain number of hours each week, which will be based on the interests of the student and the needs of the particular church in which the student is placed.

Prerequisite: A minimum of the completion of 90 credit hours and consent of department chair.

MUSC 4940 - Church Music Internship II (1)

A continuation of the church music internship experience. May be repeated for credit.

Prerequisite: Satisfactory completion of MUSC 4800 and consent of department chair.

MUSC 4950 - Arts Administration Internship in Music I (1)

This course will provide students with the opportunity to gain practical experience by assisting in the administration of one or more performance venues. Students will work directly with the organizational leadership of the venue in concert series development, artist contract negotiations, audience development, budgets, and other areas based on the interests of the students and the needs of the organization, under the supervision of a member of the music faculty.

Prerequisite: Consent of instructor.

MUSC 4960 - Arts Administration Internship in Music II (1)

A continuation of the arts administration internship in music. May be repeated for credit.

Prerequisite: MUSC 4820.

MUSC 4990 - Senior Recital (3)

A capstone course designed to integrate material studied throughout the music program in music theory, music history, and performance. While continuing lessons as a part of the 3-hour credit the student will present a final solo recital as part of the capstone, in addition to the preparation of the printed program, detailed program notes (including texts and translations, if applicable), publicity materials, and other departmental documentation related to the recital.

Prerequisite: Senior standing (completion of 90 semester hours) and successful completion of MUSC 3920.

NURS - NURSING

NURS 3312 - Foundations: Basic Principles of Nursing (5)

Focus is on basic concepts and dimensions that support health and the profession of nursing. Introduces the basic cognitive and psychomotor skills essential for professional nursing practice. A practicum allows opportunity for application of learned skills. Basic human functions of sleep, stress, cognition, self-confidence, and sexuality are examined with emphasis on the nursing process to promote client movement toward optimal health and functioning.

NURS 3313 - Pathophysiology and Pharmacology I (3)

An introduction to pathophysiological and pharmacological concepts using an integrated systems approach. This is the first of a two course sequence focusing on the clinical application of physiologic and pharmacologic principles necessary for safe nursing practice across the lifespan.

NURS 3314 - Pathophysiology and Pharmacology II (4)

An introduction to pathophysiological and pharmacological concepts using an integrated systems approach. This is the second of a two course sequence focusing on the clinical application of physiologic and pharmacologic principles necessary for safe nursing practice across the lifespan.

NURS 3322 - Fundamentals of Nursing Practice (6)

Focus is on the effects of health problems of adults. Problems and concepts specific to caring of older adults, surgical experience, movement and coordination, diabetes, cardiovascular, and respiratory assessment. Strategies that promote and maintain a healthy lifestyle are examined. The nurse's role in planning, implementing, and evaluating strategies toward optimal health is emphasized.

Prerequisite: NURS 3312, NURS 3313.

NURS 3323 - Health Assessment (4)

Presents a comprehensive approach to health assessment. Techniques for the assessment of individuals across the lifespan are addressed.

Prerequisite: Prerequisites or corequisites: NURS 3311, NURS 3312.

NURS 3330 - Adult Health Care I (5)

Focus is on the effects of health problems of adults. Problems and concepts specific to fluid and electrolyte imbalance, sensory perception, inflammation, connective tissue disorders, hematological, and GI system are addressed. The nurse's role in planning, implementing, and evaluating strategies toward optimal health is emphasized.

Prerequisite: NURS 3312, NURS 3313, NURS 3322, NURS 3323.

NURS 3331 - Family Nursing (4)

Provides a comprehensive approach to the childbearing family. The nurse's role in assisting families toward optimal functioning is stressed.

Prerequisite: NURS 3312, NURS 3313, NURS 3322, NURS 3323.

NURS 3332 - Population Focused Community Health Nursing (4)

Explores the concepts of and strategies for disease prevention and health promotion that are needed to improve the health of individuals, families, communities and selected populations. Addresses global factors impacting health care. The nurse's role in the promotion of population health is emphasized.

Prerequisite: NURS 3312, NURS 3313, NURS 3322, NURS 3323.

NURS 4420 - Research in Nursing (3)

Highlights the research process, the use of research in nursing, and the nurse as a consumer of research.

Prerequisite: MATH 2100.

NURS 4425 - Nursing of Acute and Chronic Mental Health Conditions (4)

Explores the foundational concepts of mental health nursing and examines acute and chronic mental health conditions in individuals across the lifespan. Focuses on strategies that promote an optimal level of functioning. The nurse's role in mental health nursing is emphasized.

Prerequisite: NURS 3312, NURS 3313, NURS 3322, NURS 3323.

NURS 4426 - Adult Health Care II (4)

Focus is on the effects of health problems of adults. Problems and concepts specific to cardiac, peripheral vascular, cancer, neurological, and renal disorders are addressed. The nurse's role in planning, implementing, and evaluating strategies toward optimal health is emphasized.

Prerequisite: NURS 3312, NURS 3313, NURS 3322, NURS 3323, NURS 3330.

NURS 4427 - Health Care of the Child (4)

Focuses on the utilization of critical thinking, communication, and clinical competence in meeting the special needs of children and their families.

Prerequisite: NURS 3312, NURS 3313, NURS 3322, NURS 3323.

NURS 4430 - Nursing Care of the Complex Client with Multiple Problems (5)

This course emphasizes synthesis of previous knowledge gained in the Adult Health Care courses. The nurse's role in the care of the critical complex client is emphasized. Utilization of critical thinking and problem solving skills are stressed.

Prerequisite: NURS 3312, NURS 3313, NURS 3322, NURS 3323, NURS 3330, NURS 4426.

NURS 4431 - Nursing Leadership and Management (3)

Examines selected theories, styles, roles, and functions in leadership and management. The role of the nurse as a leader/manager in the health care arena is analyzed.

Prerequisite: NURS 4420 and successful completion of junior curriculum.

NURS 4432 - Clinical Internship (4)

Allows for application of nursing knowledge in an approved clinical setting. Provides for synthesis and refinement of nursing skills required for entry into professional practice.

Prerequisite: NURS 3330, NURS 3331, NURS 3332, NURS 4420, NURS 4425, NURS 4426, NURS 4427, and senior .

NURS 4434 - Capstone Seminar (1)

Application for graduation must be submitted when registering for this class. Allows for students to integrate and synthesize knowledge gained throughout the nursing program. Students will be expected to present their capstone project in writing and in an oral presentation.

Prerequisite: NURS 3330, NURS 3331, NURS 3332, NURS 4420, NURS 4425, NURS 4426, NURS 4427, and senior .

NURS 4435 - Holistic Nursing (3)

Explores, examines, and analyzes the art and science of holistic nursing and the concept of nurse as healer. Students also will examine, body-mind-spirit modalities, research, and the American Holistic Nurses Association's Scope and Standards of Practice.

Prerequisite: Current student in the School of Nursing.

NURS 4436 - Palliative Care & Hospice (3)

Analysis of the physiological, psychological, social, and spiritual issues as they relate to palliative care, hospice, and dying patients.

Prerequisite: Current student in the School of Nursing.

NURS 4490 - Special Topics in Nursing (1-5)

Focuses on an in-depth exploration of a particular topic in nursing. Utilization of various methods of research will be employed. This course is open to registered nurses only or by special permission of the Dean of the School of Nursing

Prerequisite: Permission of instructor.

PDMT - PIEDMONT

PDMT 1101 - Intro to College Life and Liberal Arts Tradition (1)

This discussion-oriented course will provide students entering Piedmont College with fewer than 24 hours of transfer credit the opportunity to engage in discussions and activities that will promote their understanding of college life and the purpose and content of a Liberal Arts education. Discussions of reading material will foster critical thinking and oral skills, while written assignments will promote the development of writing skills.

PENG - PHYSICS, ENGINEERING

PENG 2000 - Engineering Statics (3)

This course is designed for the Pre-engineering/engineering physic major. It is not applicable for the Applied Physics Major. This course covers forces, moments, trusses, beams and cables, friction, centroids and moments of inertia.

Prerequisite: PHYS 2110.

PHIL - PHILOSOPHY

PHIL 1101 - Introduction to World Philosophy (3)

A survey of central philosophical issues and problems. Consideration is given to the nature, sources, and validity of knowledge; the relationship of philosophy to science; the nature of mind and its place in the universe; and the meaning of moral and aesthetic values. A survey of representative schools of philosophy is included.

PHIL 1102 - Critical Thinking (3)

A study of the methods and principles for analyzing and evaluating claims and arguments with particular attention to fallacies and deductive and inductive reasoning.

PHIL 2201 - History of Philosophy I - Ancient and Medieval (3)

A study of the development of Western philosophy from early Greek philosophy to the end of the Middle Ages.

PHIL 2202 - History of Philosophy II - Modern and Contemporary (3)

A study of the development of Western philosophy from the beginning of the Modern period to the Contemporary period.

PHIL 2210 - Symbolic Logic (3)

An introduction to deductive logic using contemporary logical notation. Students learn how to translate English claims into logical symbols and use them, along with valid rules of inference, to form a natural deductive system. Emphasis is placed on the construction of formal proofs of validity.

PHIL 3301 - Metaphysics (3)

A study of the basic questions of reality theory; topics may include the existence and nature of God, human nature and philosophy of mind, time, cosmology, and ontology.

Prerequisite: PHIL 1101.

PHIL 3303 - Epistemology (3)

A study of the basic questions of knowledge theory; topics may include definitions of knowledge, truth, evidence, and the rational status of belief.

Prerequisite: PHIL 1101.

PHIL 3305 - Ethics (3)

An introductory study of the history, principles, and current state of ethical thought with special focus on selected contemporary problems.

Crosslisted as: RELG 3305.

PHIL 3306 - Applied Ethics (3)

Students will examine a variety of personal, social, and professional ethical issues and problems in a seminar setting. The course will emphasize current events, and promote the development of critical thinking skills and sound ethical reasoning.

Crosslisted as: RELG 3306.

PHIL 3325 - Environmental Ethics (3)

This course provides a general knowledge of basic ethical theory; a general exposure to the ethical issues related to the environment and environmental issues; and an introduction to some of the important terms, positions, arguments, and people that are a part of that discipline.

Crosslisted as: RELG 3325.

PHIL 4400 - Special Topics (3)

Course topics to be announced; offered on occasional basis. May be repeated for credit only if the topic changes.

Prerequisite: 15 hours of philosophy or permission of instructor.

PHIL 4425 - Philosophy of Religion (3)

A study of the interplay between philosophy and religion.

Prerequisite: PHIL 1101 or RELG 1101. Crosslisted as: RELG 4425.

PHIL 4490 - Independent/Directed Study (3)

Independent study of a selected philosophical problem(s) or text(s); to be arranged as needed.

Prerequisite: Permission of department.

PHIL 4499 - Senior Seminar in Philosophy (3)

As a capstone experience, students will write and present a major research project that conforms to standards in the field.

Prerequisite: 15 hours of philosophy or permission of instructor.

PHIL 4930 - Internship in Philosophy (1-3)

A supervised learning experience in the area of philosophy that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

PHYS - PHYSICS**PHYS 1010 - Conceptual Physics (4)**

Mechanics, properties of matter, heat, sound, electricity and magnetism, and light. Lecture and laboratory.

PHYS 1011 - Physical Science I (4)

Principles of the physical universe, including properties of force, motion, gravitation and energy. Introduction to characteristics of matter including atomic structure and behavior. Lecture and laboratory.

PHYS 1012 - Physical Science II (4)

Fundamentals of chemical reactions and organic chemistry. Composition and behavior of the Earth and its atmosphere, the solar system and the universe. Lecture and laboratory.

PHYS 2110 - General Physics I (4)

Study of mechanics including equilibrium, motion, force, work, momentum and energy, and waves. Lecture and laboratory.

Corequisite: MATH 2450.

PHYS 2120 - General Physics II (4)

Study of electricity and magnetism, radiation, heat, temperature, sound and light, including optics. Lecture and laboratory.

Prerequisite: PHYS 2110.

PHYS 3010 - Advanced Physics Lab I (1)

Students will design and perform experiments in a variety of physical principles including computer-controlled measurements, dynamics, sound, light, heat, fluid dynamics, and sub-atomic particles.

Prerequisite: PHYS 2110 and PHYS 2120.

PHYS 3020 - Advanced Physics Lab II (1)

Students will design and perform experiments in a variety of physical principles including electrostatics, electrodynamics, circuit design, and computer simulations.

Prerequisite: PHYS 2110 and PHYS 2120 and PHYS 3010.

PHYS 3100 - Classical Mechanics (3)

Study of systems of particles, rigid body dynamics, continuous media, Lagrange and Hamilton equations, and small vibrations.

Prerequisite: PHYS 2110 and PHYS 2120. Corequisite: PHYS 3010.

PHYS 3200 - Modern Physics (3)

Relativity, relativistic mechanics, wave and particle duality, molecular spectra, electron energy bands, kinetic theory of matter, and the Schrodinger Equation.

Prerequisite: PHYS 2110 and PHYS 2120. Corequisite: PHYS 3010.

PHYS 3300 - Thermal and Statistical Physics (3)

Macro-thermodynamics including entropy, enthalpy, ideal gases, statistical-thermodynamics including ensembles, Maxwell-Boltzmann, statistics, partition functions, and black-body radiation.

Prerequisite: PHYS 2110 and PHYS 2120. Corequisite: PHYS 3010.

PHYS 3990 - Philosophy and Methodology of Science (3)

Overview of the history and philosophy of science; introduction to scientific research methods including concepts of statistical analyses, testing alternative hypotheses, and experimental design. Requires development of prospectus for Senior Research PHYS 4980 (PHY 498) in consultation with thesis director. Lecture only.

Prerequisite: At least one course in a 3000/4000 level science.

PHYS 4050 - Internship in Physics (1-6)

The internship is a supervised learning experience in the field that links academic knowledge with practical experience.

PHYS 4100 - Materials (3)

Elasticity, stress, strain, plasticity, waves, and fractures in solids, liquids, gases and crystals.

Prerequisite: PHYS 2110 and PHYS 2120. Corequisite: PHYS 3010.

PHYS 4400 - Electricity and Magnetism (3)

Electric fields and forces, dielectrics, Laplace and Poisson equations, Maxwell equations, and electromagnetic waves.

Prerequisite: PHYS 2110 and PHYS 2120. Corequisite: PHYS 3010.

PHYS 4500 - Fluids (3)

Fluid statics, dynamics, viscosity, incompressible and compressible fluids, and porous media fluid flow.

Prerequisite: PHYS 2110 and PHYS 2120. Corequisite: PHYS 3010.

PHYS 4600 - Circuits (3)

Circuit diagrams, measuring instruments, LRC circuits, semiconductors, diodes, transistors, and operational amplifiers.

Prerequisite: PHYS 2110 and PHYS 2120. Corequisite: PHYS 3010.

PHYS 4800 - Quantum Mechanics (3)

This course is a continuation of CHEM 4452 Physical Chemistry II/Quantum Mechanics. It expands on concepts of quantum mechanics introduced in CHEM 4452. This course covers Linear Vector Spaces, Hilbert spaces, the path integral formulation of Quantum Theory, Hermitian operators including spin and angular momentum operators.

Prerequisite: PHYS 2110 and PHYS 2120. Corequisite: PHYS 3010.

PHYS 4930 - Internship in Physics (1-3)

A supervised learning experience in the area of physics that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

PHYS 4950 - Science Seminar (1)

Seminar presentation of a senior research project.

Prerequisite: Senior standing in science major.

PHYS 4959 - Honors Science Seminar (1)

Seminar presentation of honors research project.

Prerequisite: Senior standing in science major; must be taken simultaneously with PHYS 4999.

PHYS 4980 - Senior Research (1)

Conduction of senior research under the direction of a research director.

Prerequisite: Senior standing in science major.

PHYS 4989 - Honors Senior Research (3)

Honors research under the direction of the thesis director.

Prerequisite: Senior standing in science major.

PHYS 4999 - Honors Thesis (2)

Writing and approval of a thesis on a research project conducted in PHYS 4989. Thesis must be in the format of a scientific article and be approved by the thesis director and one additional reader from within the natural sciences.

Prerequisite: PHYS 4989; must be taken simultaneously with PHYS 4959.

POSC - POLITICAL SCIENCE**POSC 1101 - American Government (3)**

A study of the origins, principles, processes and structures of U.S. government.

POSC 3300 - Comparative Politics (3)

This course is an introduction to the subfield of comparative politics, the systematic study and comparison of the world's political systems, encompassing a great variety of interesting phenomena. This includes, but is not exclusive to, democratization, national political economy, political institutions, and political culture.

POSC 3310 - Research Methods (3)

Basic processes of scientific inquiry in the social sciences, problem formation, research design, measurement, data collection, data analysis, interpretation, and reporting of results.

Prerequisite: MATH 2100 or permission of instructor.

POSC 3315 - Georgia Politics (3)

This course examines historic and contemporary Georgia, with special attention paid to the state's constitutional and political development. Georgia's 10 state constitutions are reviewed in their historical, political, and social contexts. Also, Georgia's current constitution and the operational system it establishes are discussed with special attention to the contemporary issues which confront Georgia state government and politics, including its relationship to the federal government and international politics.

POSC 3330 - National Political Issues (3)

An examination of major contemporary national political issues, with an emphasis on developing understanding and analytical critical thinking skills for active citizenship. This course includes a focus on current debates over national problems and policy disputes.

POSC 3340 - Political Ideologies (3)

Examines contemporary political ideologies, focusing on liberalism, conservatism, libertarianism, fascism, socialism and communism.

POSC 3350 - Governmental Institutions (3)

An in-depth examination of the major national institutions of government focusing on the presidency, judiciary, Congress, political parties, and elections.

POSC 3360 - International Relations (3)

The structure and process of conflict and cooperation in the international community of states.

POSC 3370 - Adjudication Processes (3)

This course is an in-depth examination of the structure and process of the judicial system in the United States, both at the federal and the state levels. Topics to be discussed include: roles and behavior of various actors within the judicial system, the process of civil and criminal law in the United States, and the relationship between law and politics and courts and society.

POSC 3380 - International Law (3)

This course examines international law and international organizations as a subject area within the field of international relations. Topics include: approaches to the study of international law, the development of international law, and the nature and function of international law and institutions in the contemporary international system.

POSC 4405 - Global Issues (3)

An interdisciplinary course focusing on the interplay of cultural, economic, environmental, political and social factors in global issues and problems. Topics to be examined may include the present and future state of life on Earth, natural resource issues, economic and social development, and world conflict and peace.

POSC 4415 - Criminal Law and Procedure (3)

An examination of the substantive and procedural law of major crimes against person and property. The focus of this course is to review the nature and origin of criminal law in the U.S., to critique the definition of legal and constitutional procedures governing arrest, and to examine the administration of the criminal sanction.

POSC 4475 - Selected Topics (3)

This course examines topics related to culture, politics, criminal justice and society which are not part of the formal offerings within the department. May be repeated for credit only if the topic changes.

POSC 4480 - Senior Seminar (3)

Application for graduation must be submitted when registering for this class. Integrates the student's knowledge through reading, writing, and discussion concerning current developments in criminal justice. This is the capstone experience for criminal justice majors.

POSC 4930 - Internship in Political Science (1-3)

A supervised learning experience in the area of political science that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

PSYC - PSYCHOLOGY**PSYC 1101 - General Psychology (3)**

Covers the main and sub areas of psychology: development, learning, motivation, tests and measures, biological foundations, and disorder identification and treatment.

PSYC 2201 - Psychological Inquiry and Writing (1)

This course provides students with foundational skills necessary to review scholarly literature and write scientific research reports, following APA-style. The course will cover topics such as proper citing procedures, avoiding improper paraphrasing, and developing and formatting each section of an APA-style research report.

Prerequisite: PSYC 1101.

PSYC 2202 - Introduction to Research Methods and Statistics (3)

An introduction to research methodology and analysis of data, with an emphasis on observational techniques, correlation, and laboratory methods. The importance of reading research articles is included, as well as an introduction to descriptive and inferential statistics.

Prerequisite: PSYC 1101. Corequisite: PSYC 2201.

PSYC 2204 - Human Sexuality (3)

Theoretical and empirical analysis of human sexual behavior, including an overview of the biological and sociological perspectives, with emphasis on the psychological foundations of sexual behavior.

PSYC 2240 - Psychology of Childhood and Early Adolescence (3)

This course will address theories, methods of inquiry, and the interaction of the physical, cognitive/language, and social domains of childhood and early adolescence. Issues related to development and behavior during these epochs will be examined.

PSYC 2260 - Psychology of Women (3)

Covers the study of female behavior from historical and current perspectives in psychology including theories, research issues, and the place of women in psychology.

PSYC 2290 - Human Growth and Development (3)

Basic psychological and social theories of development applied to the life span. Emphasis is on development through adolescence to include sensorimotor, cognitive, socio-emotional, physical, and moral development.

PSYC 3303 - Social Psychology (3)

Mutual interactions of individuals, groups and social structures including a focus on self, attitudes, prejudice, roles and norms, groups and leadership.

PSYC 3311 - Psychology of Adolescence (3)

Physiological, sociocultural and psychological factors influencing humans during transition from childhood to adulthood including a focus on reactions to physiological changes, development of values and identity, parent-child-peer relationships, cognitive development, developmental tasks of adolescence and current issues facing adolescents (drugs, alienation, alcohol and delinquency). 10 hours field experience required for secondary education majors.

PSYC 3312 - Psychology of Adulthood (3)

Theoretical and empirical examination of the physical, cognitive and psychosocial changes that occur during the adult years. Emphasis on the life span aspects of psychological development including gerontology.

PSYC 3357 - Special Topics in Psychology (3)

This course explores special areas in psychology. Selected topics are announced in advance.

PSYC 3360 - Sensation and Perception (3)

An introduction to the study of the human senses and perceptual processes. Sensory coding, information processing, perceptual development, perceptual illusions, and psychophysical methods will be discussed.

Prerequisite: PSYC 1101 and PSYC 2201.

PSYC 3380 - Psychology of Learning (3)

An introduction to the theory and application of principles of conditioning and complex learning, including principles of reinforcement and stimulus control, the function and limits of learning, and forgetting.

Prerequisite: PSYC 1101 and PSYC 2201.

PSYC 3381 - Theories of Personality (3)

Major personality theories influencing psychology, historical roots and early theories, personality assessment, current theories, and approaches to normal and abnormal personality development.

Prerequisite: PSYC 1101 and PSYC 2201.

PSYC 3382 - Introduction to Counseling (3)

Major theories of counseling and development of counselor skills including a focus on the therapeutic relationship, communication procedures, theoretical orientations and counselor assessment tools.

PSYC 3383 - Tests and Measurements (3)

An introductory course on the principles and practices of assessment, including the topics of reliability, validity, test development, intelligence and test interpretation. The history, legalities, and ethics of assessment are also discussed.

PSYC 4401 - History and Systems (3)

Overview of the history of psychology with emphasis on its philosophical background. Attention is directed to the historical antecedents of contemporary theories of perception, learning, motivation and personality.

Prerequisite: PSYC 1101 and PSYC 2201.

PSYC 4410 - Cognitive Psychology (3)

This course examines cognitive processes, including perception, attention, memory, comprehension, reasoning, decision-making, and problem-solving. The course will give an understanding of the methods used to gather and evaluate evidence about cognitive processes, and an understanding of the ways in which knowledge of these processes has been applied to solve problems and improve the quality of life.

Prerequisite: PSYC 1101 and PSYC 2201.

PSYC 4415 - Abnormal Psychology (3)

Psychological models as applied to normal and abnormal behavior including identification, etiology, and treatment of anxiety, somatoform, dissociative, affective, schizophrenic and personality disorders.

Prerequisite: PSYC 1101 and PSYC 2201.

PSYC 4430 - Environmental Psychology (3)

This course will familiarize students with the ways in which people interact with the environment and relate to the environment. Theories, methodologies, elements of built and natural environments, as well as personality characteristics will be addressed.

PSYC 4441 - Internship in Human Services (1-3)

The internship is a supervised, unpaid, service-learning experience for 40 hours of required time for each hour of credit. Students may register for up to 3 credits. The setting must allow the student to acquire knowledge and practice skills in the application of psychology. The student maintains a daily journal and discusses the experiences of working in an applied setting.

Prerequisite: Consent of instructor.

PSYC 4490 - Independent Research Project (3)

Special project involving original research in some area of psychology. Written report and seminar presentation of findings are required.

Prerequisite: PSYC 2202 and junior standing and written prospectus approved by a psychology faculty member.

PSYC 4491 - Independent Research Project (3)

Continuation of PSYC 4490. Written report and seminar presentation are required. (Does not count toward major or minor requirements in psychology.)

Prerequisite: PSYC 4490.

PSYC 4492 - Honors Practicum (3)

This course is designed to provide students with an opportunity to understand work they will encounter as graduate students and professional psychologists. Students will assist a psychology faculty member in carrying out their professional duties. This will provide the student with the opportunity to observe the day-to-day work life of a psychologist in an academic setting.

Prerequisite: Permission of psychology faculty member, must apply in preceding semester, and senior standing.

PSYC 4495 - Advanced Experimental Psychology (Senior Seminar) (3)

This course is designed to give students a thorough grounding in the empirical research techniques used in psychology. All types of research will be covered, including surveys, naturalistic observations, true experiments, and quasi-experiments. Students will develop and design individual research projects, collect data, and use statistics to determine results. Students will write an APA-paper of their findings and present their findings in a seminar format.

Prerequisite: PSYC 2202, MATH 2100.

RELG - RELIGION**RELG 1101 - Religions of the World (3)**

Major living religions, with emphasis on the attempts of each to deal with the problems which confront humanity.

RELG 2201 - Religious Movements in North America (3)

A survey of diverse religious traditions and movements that have played a significant role in the history of the United States from Native American beginnings to the present.

RELG 2221 - Introduction to the Old Testament (3)

An introduction to the history, literature, and theology of the Old Testament.

RELG 2222 - Introduction to the New Testament (3)

An introduction to the history, literature, and theology of the New Testament

RELG 2254 - History of Christianity (3)

Survey of vital periods in the life of Christianity, from Jewish sect to imperial religion to global network of diverse Christian communities.

RELG 2501 - Celtic Christianity (3)

This course provides an introduction to Celtic Christianity. It may be repeated for credit if the course content changes significantly.

RELG 3301 - Introduction to Theology (3)

A systematic study of such fundamental Christian concepts as revelation, creation, God, Christ, human nature, the Church, and salvation.

Prerequisite: RELG 1101 or PHIL 1101 or permission of instructor.

RELG 3305 - Ethics (3)

An introductory study of the history, principles, and current state of ethical thought with special focus on selected contemporary problems.

Prerequisite: Sophomore standing or permission of instructor. Crosslisted as: PHIL 3305.

RELG 3306 - Applied Ethics (3)

Students will examine a variety of personal, social, and professional ethical issues and problems in a seminar setting. The course will emphasize current events, and promote the development of critical thinking skills and sound ethical reasoning.

Crosslisted as: PHIL 3306.

RELG 3312 - Hebrew Prophets (3)

Origin and development of the prophetic movement in Israel and its literature.

Prerequisite: RELG 2221 or permission of instructor.

RELG 3313 - Life of Jesus (3)

Life and teachings of Jesus as reflected in the Gospels. Attention is given to critical problems related to the Gospels.

Prerequisite: RELG 2222 or permission of instructor.

RELG 3314 - Life and Teachings of Paul (3)

Life and teachings of the Apostle Paul as reflected in the Book of Acts and Pauline letters.

Prerequisite: RELG 2222 or permission of instructor.

RELG 3325 - Environmental Ethics (3)

This course provides a general knowledge of basic ethical theory; a general exposure to the ethical issues related to the environment and environmental issues; and an introduction to some of the important terms, positions, arguments, and people that are a part of that discipline.

Crosslisted as: PHIL 3325.

RELG 4400 - Special Topics (3)

Course topics to be announced; offered on occasional basis; may be repeated for credit only if the topic changes.

Prerequisite: 15 hours of religion or permission of instructor.

RELG 4425 - Philosophy of Religion (3)

A study of the interplay between philosophy and religion.

Prerequisite: PHIL 1101 or RELG 1101. Crosslisted as: PHIL 4425.

RELG 4490 - Independent/Directed Study (3)

Independent study of a selected problem(s) or text(s) in religion; to be arranged as needed.

Prerequisite: Permission of department.

RELG 4499 - Senior Seminar in Religion (3)

As a capstone experience, students will write and present a major research project that conforms to standards in the field.

Prerequisite: 15 hours of religion or permission of instructor.

RELG 4930 - Internship in Religion (1-3)

A supervised learning experience in the area of religion that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

SOCI - SOCIOLOGY**SOCI 1101 - Introduction to Sociology (3)**

Introduction to the sociological approach to understanding social life. An examination of the basic theories, concepts and methods for analyzing society, and an overview of social processes and social structures.

SOCI 2210 - Social and Cultural Problems (3)

Focus on cultural, institutional and structural problems of society and major causes of and solutions to such problems as discrimination, prejudice, social inequalities, environment, crime and domestic violence.

SOCI 3200 - Social Theory (3)

This course examines the origins of the discipline of sociology and the early theoretical perspectives that accompanied the scientific study of society and human groups. The course begins with a discussion of the Enlightenment and Enlightenment thinkers although the primary focus of the course will be on the development of sociology in the latter part of the 18th century up until the first few decades of the 20th century.

SOCI 3304 - Feminist Theories (3)

An introduction to women studies through feminist theories. Exploring the importance of theories in understanding the various roles (and changing roles) played by women in society, as well as exploring the various issues women face in modern society.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 3320 - Structured Social Inequality (3)

Study of structured social inequality (class, gender, and ethnic/racial) with reference to the unequal production and distribution of societal reward (wealth, status and power). Topics include the nature, types and theories of social stratification and their consequences; and changes in structured social inequalities in advanced industrial and post-industrial societies.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 3335 - History, Memory and the Holocaust (3)

The purpose of this course is to develop a critical understanding of the role of history and memory in the construction of social reality with particular emphasis on the Holocaust.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 3350 - Marriage and the Family (3)

An examination of the structures and functions of marriage and the family including the varieties of family life. The relationships between families and other social institutions are discussed.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 3355 - Film as Sociology (3)

A sociological study of the relationships among society, politics, and films.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 3357 - Sociology of Gender and Sexuality (3)

The course will examine the way gender differences operate and influence individuals' everyday lives and how gender relations influence and are influenced by social structures and social processes. Areas to be explored may include gender relations in the workplace, gender

and body image, gender and identity, and the various ways in which people of different genders are victimized or oppressed on the basis of gender.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 3375 - Social and Cultural Change (3)

Enhances critical understanding of the dynamics of, reasons for, and the consequences of social and cultural change.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 3390 - Deviant Behavior (3)

Examines the various theories and the varieties of deviant behavior with special emphasis placed on the social construction of deviance.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 4410 - Race and Ethnic Relations (3)

Examines the various relations among minority groups, and between minority groups and dominant groups, focusing on colonialism and assimilation models, the migrant experience, patterns of discrimination and prejudice, and the varieties of ethnic minorities.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 4450 - Family Violence (3)

This course examines a number of myths and realities about family violence; reviews historical patterns and attitudes regarding family violence. Topics to be discussed include spouse abuse and rape, child abuse, elderly abuse, murder among family members, and legal defenses to criminal family violence based on patterns of abuse. The course also addresses the consequences of family violence, and legal and community responses.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 4475 - Selected Topics (3)

This course examines special topics related to culture, politics and society which are not part of the formal offerings within the department. May be repeated for credit only if the topic changes.

Prerequisite: Either SOCI 1101, SOCI 2210, ANTH 2250, or permission of instructor.

SOCI 4930 - Internship in Sociology (1-3)

A supervised learning experience in the area of sociology that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

SOSC - SOCIAL SCIENCE

SOSC 3310 - Research Methods (3)

Basic processes of scientific inquiry in the social sciences, problem formation, research design, measurement, data collection, data analysis, and interpretation.

Prerequisite: MATH 2100 or permission of instructor.

SOSC 3398 - Internship (1-6)

The internship is a supervised volunteer learning experience in an agency that links academic knowledge with practice experience. In addition to the volunteer work performed as an intern, the student may be assigned readings related to the internship.

Prerequisite: Permission of instructor.

SOSC 4480 - Senior Seminar (3)

Integrates the student's knowledge through reading, writing, and discussion concerning current developments in the social science disciplines. This is the capstone experience for social science majors.

SPAN - SPANISH

SPAN 1101 - Elementary Spanish I (3)

Involvement at the elementary level in spoken and written use of Spanish through class experience and language laboratory. Introduction to the peoples and cultures of Spain and Spanish America. One hour of language lab per week is required.

SPAN 1102 - Elementary Spanish II (3)

Continuation of SPAN 1101. One hour of language lab per week is required.

Prerequisite: SPAN 1101 or equivalent credit.

SPAN 2201 - Intermediate Spanish I (3)

Involvement at an intermediate level in spoken and written use of Spanish. Emphasis is on a thorough review of grammar, reading, composition and conversation in Spanish.

Prerequisite: SPAN 1102, equivalent credit, or permission of department.

SPAN 2202 - Intermediate Spanish II (3)

A continuation of SPAN 2201.

Prerequisite: SPAN 2201 or permission of department.

SPAN 2205 - Spanish Conversation (3)

Designed to improve pronunciation and to increase proficiency in the practical use of Spanish in conversation.

Prerequisite: SPAN 2202 or permission of department.

SPAN 3300 - Spanish Culture and Civilization (3)

A study of Spanish civilization through its literature, art, history and its political and social institutions.

Prerequisite: SPAN 2202 or permission of department.

SPAN 3305 - Spanish-American Culture and Civilization (3)

A study of Spanish-American civilization through its literature, art, history and its political and social institutions.

Prerequisite: SPAN 2202 or permission of department.

SPAN 3326 - Advanced Conversation and Composition (3)

Continues development of fluency through intensive practice and study of the spoken and written language. Stresses accurate use of grammatical structures and sensitivity to differences in style, tone, and levels of language from colloquial to formal.

Prerequisite: SPAN 2205 or permission of department.

SPAN 3340 - Survey of Spanish Literature I (3)

Readings from representative literary works from the origins of Spanish literature through the Golden Age.

Prerequisite: SPAN 3326 or permission of department.

SPAN 3341 - Survey of Spanish Literature II (3)

Readings from representative literary works from the Golden Age to the present.

Prerequisite: SPAN 3326 or permission of department.

SPAN 3350 - Survey of Spanish-American Literature I (3)

Readings from representative literary masterpieces of Spanish America from conquest to Modernism.

Prerequisite: SPAN 3326 or permission of department.

SPAN 3351 - Survey of Spanish-American Literature II (3)

Readings from representative literary masterpieces of Spanish America from Modernism to the present.

Prerequisite: SPAN 3326 or permission of department.

SPAN 3360 - Introductory International Business: Language and Culture (3)

This language and culture course will prepare business and language majors for successful communication in the international business world by building upon their existing knowledge and emphasizing practical, real-life use of oral and written foreign language. This course will introduce the student to essential business terminology and language situations in common business contexts, reinforcing strategies for understanding, interpreting, and responding to new information. This course will also help the student to be alert to the importance of cultural awareness in doing business in foreign countries or with foreigners/nationals in the United States.

SPAN 3370 - Practicum B-5 (3)

A 90-semester-hour practicum for one semester, at the B-5 grade level, performed under the combined supervision of a certified teacher and the College supervisor. Applications must be completed by the posted deadline the semester prior to placement.

Prerequisite: One methodology course.

SPAN 3371 - Practicum 6-12 (3)

A 90-semester-hour practicum for one semester, at the 6-12 grade level, performed under the combined supervision of a certified teacher and the College supervisor. Applications must be completed by the posted deadline the semester prior to placement.

Prerequisite: One methodology course.

SPAN 3380 - Spanish for the Professions (3)

This course helps professionals communicate effectively in Spanish. Assignments are built around practical situations, and instruction is based on sound principles of foreign language instruction. Instruction emphasizes high frequency vocabulary, drill and practice, as well as opportunity for immediate application.

SPAN 4400 - Spanish Linguistics (3)

In-depth study of the syntax, morphology, and phonology of the Spanish language. Emphasis is on written practice through composition, study of idioms, and finer points of grammar.

Prerequisite: SPAN 2202 or permission of department.

SPAN 4435 - Spanish Cinema (3)

A survey of Spanish film; may include a focus on particular directors, periods, and styles. The course will be taught in English; proficiency in Spanish is helpful but not required.

SPAN 4460 - Second Language Acquisition: Theory and Methodology (3)

Introduction to the field of Second Language Acquisition (SLA) and explores the implications of SLA findings for L2 teaching.

SPAN 4481 - Special Topics in Spanish Linguistics (3)

May be taken up to four times and will rotate among topics such as Spanish Dialectology and History of the Spanish Language.

Prerequisite: SPAN 3326 or permission of department.

SPAN 4490 - Special Topics in Spanish, Spanish-American or U.S. Latino Literature and Culture (3)

Investigation of themes of cultural and literary interest in the Hispanic world. Emphasis on mastery of productive language skills, research practices, reading comprehension skills, and cultural knowledge as appropriate to a college Spanish major.

Prerequisite: SPAN 3326 permission of department.

SPAN 4491 - Spanish Practicum (1)

Supervised practical experience in an organization or in an activity appropriate to a student's career and educational interests. Internships are supervised by faculty members and require periodic student/faculty meetings.

SPAN 4499 - Senior Seminar (3)

As a capstone experience, students will write and present a major research project that conforms to standards in the field.

Prerequisite: SPAN 3326 and at least one other 3000-4000 level SPAN course, Senior standing.

SPAN 4930 - Internship in Spanish (1-3)

A supervised learning experience in the area of Spanish that links academic knowledge with practical experience by providing an opportunity for students to apply knowledge learned from the classroom.

THTR - THEATRE ARTS**THTR 1100 - Introduction to Theatre (3)**

Structured for the non-major, this course promotes the appreciation and understanding of theatre across a broad-range of topics including acting, play reading, script analysis, theatre history, design, performance viewing, production processes, and others. Structured to be entertaining and hands-on, this course depends highly on class participation.

THTR 1110 - Ballet (1)

A study in the basics of ballet. While utilizing a hands-on approach to the art form, the students will examine Ballet through a structured dance class environment while also gaining a strong understanding of the history and the pioneers within the industry who have allowed the art form to evolve. The class will culminate in a dance showcase for the public; this showcase may or may not be in conjunction with the other classes.

THTR 1111 - Tap (1)

A study in the basics of tap dancing. While utilizing a hands-on approach to the art form, the students will examine tap through a structured dance class environment while also gaining a strong understanding of the multicultural history and the pioneers within the industry who have allowed the art form to evolve. The class will culminate in a dance showcase for the public; this showcase may or may not be in conjunction with the other classes.

THTR 1112 - Jazz Dance (1)

A study in the basics of jazz dance. While utilizing a hands-on approach to the art form, the students will examine jazz dance through a structured dance class environment while also gaining a strong understanding of the history and the pioneers within the industry who have allowed the art form to evolve. As the most utilized form of dance in Musical Theatre, students will learn combinations dating from the early style to combinations currently being used on the Broadway stage. The class will culminate in a dance showcase for the public; this showcase may or may not be in conjunction with the other classes.

THTR 1113 - Modern Dance (1)

A study in the basics of modern dance. While utilizing a hands-on approach to the art form, the students will work within the varying styles of modern dance. As one of the youngest forms of dance, students will experience the art form in its earliest form and likewise in its cutting edge, contemporary style. Likewise, students will learn the basics of hand-to-hand stage combat and basic weaponry, useful tools in both the worlds of classical and contemporary theatre. The class will culminate in a dance/performance showcase for the public; this showcase may or may not be in conjunction with the other classes.

THTR 1150 - Technical/Production Practicum (1)

By working on department theatre productions, students gain practical experience in set and costume construction; lighting and sound design and operation; hair and makeup design and application; stage, house, and box office management; properties, publicity, and technical direction. This course may be repeated for credit. This course is divided into two eight- week sections, allowing the student more flexibility in regard to their casting and technical assignments on a particular production.

THTR 1151 - Acting/Directing Practicum (1)

By working on department theatre productions, students gain practical experience in acting, directing, or dramaturgy. Written analysis required. This course may be repeated for credit. This course is divided into two eight-week sections, allowing the student more flexibility in regard to their casting and technical assignments on a particular production.

Prerequisite: Instructor's approval.

THTR 2205 - Fundamentals of Technical Theatre (3)

A foundation course that provides study in set, sound, and lighting design, carpentry and technical direction, shop and stage equipment, and theatre safety. The course provides hands-on focus through class projects and assistance on departmental productions.

THTR 2210 - Fundamentals of Acting (3)

This course is an introduction to the skills necessary to build a character and play specific circumstances as well as an overview of the major acting teachers (Stanislavski, Hagan, Meisner, etc.) and their methods. It includes stage movement exercises, and scene study, and monologue work. Written analysis required. This course is suitable for majors and non-majors. Written analysis required.

THTR 2215 - Script Analysis (3)

Script analysis is the core activity for any theatre practitioner. This course will create a common methodology, language, and approach for all theatre artists. Although actors, directors, and designers all explore scripts through their individual lenses, many core elements remain the same. This course will educate the practitioner to understand each method and style for better communication throughout the creative process.

THTR 2220 - Stage Movement and Dance (3)

This is a participatory course that develops basic dance and stage movement skills centered on yoga, tai chi, and mime. Major movement theories include, but are not limited to, Laban Movement Analysis and the Alexander technique. Students are also introduced to the basic elements of ballet, tap, jazz and modern dance. Written analysis required. This course is suitable for majors and non-majors.

THTR 2230 - Children's Theatre (3)

This is a participatory course that emphasizes the importance of theatre for children. Students have the opportunity to analyze and create theatre for audience member of all ages. Interaction with children through class projects both on and off campus provide hands-on experience throughout the semester for the student.

THTR 2235 - Puppetry Arts (3)

Students will learn and develop the ability to both create and work with differing types of puppets. Throughout the creation process, students will study this history of the art form, develop scripts and ultimately perform varying styles of puppetry. Structured for educators and performers, this course promotes the appreciation and understanding of puppet theatre across a broad-range of styles including wayang, bunraku, foam, bread and puppet, and others. Structured to be entertaining and hands-on, this course depends highly on class participation.

THTR 2240 - Theatre for Youth Production I (3)

Structured for educators and performers, this course promotes the appreciation and understanding of theatre for youth. Structured to be entertaining, and hands-on, this course depends highly on class participation. The compressed time schedule and small budget teaches students that theatre can be created with minimal resources.

THTR 2265 - Makeup Design (3)

A study of the design and application of makeup for the theatrical stage, students will gain hands-on experience with corrective, character, fantasy, and specialty make-up designs. Students will compile a professional makeup portfolio displaying their working knowledge of the variety of makeup techniques and applications.

THTR 2420 - Selected Topics in Theatre (3)

This course is the study of theatre topics ranging from dramatic literature to specialized production skills. Previous topics include Portfolio development, Playwriting, Audition Techniques, Theatre for Social Change, Scene Painting, Advanced Set Design, Special Effects Pyrotechnics for the Stage, as well as Puppetry Arts. May be repeated for credit with each new topic.

THTR 3301 - Theatre History I (3)

A historical survey of theatrical practice and artists, dramatic literature, and major cultural movements in theatre from prehistory to the Renaissance, including both World and European-American theatre topics. Emphasis on reading, exploration, research, lecture, oral presentation, and writing skills. Written analysis and research are required.

THTR 3302 - Theatre History II (3)

A historical survey of theatrical practice and artists, dramatic literature, and major cultural movements in theatre from the Renaissance to the present, including both World and Euro- American theatre topics. Emphasis on reading, exploration, research, lecture, oral presentation, and writing skills. Written analysis and research are required.

THTR 3305 - Introduction to Scenic Design (3)

A focus on the conceptual and analytical side of theatrical design rather than the technical. Course emphasis is on observation, script analysis, sketching, and the evolution of students' design concepts through various stages. Visual and written analysis required.

THTR 3310 - Advanced Acting (3)

Building up the skills acquired in Fundamentals of Acting, this course is a scene and monologue study of periods and styles of acting, from Greek Theatre to Contemporary Theatre, including verse scansion, character analysis, and script analysis. Students will build upon existing knowledge including but not limited to Alexander, Laban, Stanislavski and Meisner. Written analysis required.

Prerequisite: Fundamentals of Acting.

THTR 3312 - Voice and Diction for the Stage (3)

A comprehensive study and application of the actor's voice in the performance arena. Utilizing the vocal techniques of Linklater, Lessac and Berry, students will explore both contemporary and classical texts. In addition to proper vocal production, students will also participate in an intensive dialect/accent workshop in the last 4 weeks of the semester. The semester culminates with a performance showcase featuring the vocal instrument.

THTR 3314 - Audition Techniques and Professional Development (3)

This course is designed to provide the Theatre student with the necessary tools for guidance in the world of professional Theatre. Students will become familiar with a wide variety of audition requirements; construct audition packages, and research theatrical unions and various professional Theaters throughout the United States. The semester will culminate in an Audition Portfolio and a professional audition for directors and casting directors.

THTR 3315 - Sound Design (3)

Sound Design traces the entire process of sound design from initial concept through closing night. The course will focus on the design and its ability to support the play whether as effect or as reinforcement. The student will learn to organize the construction of the sound design elements, how the designer functions in a rehearsal, and how to set up and train an operator to run sound equipment for a theatrical production

THTR 3317 - Lighting Design (3)

After a comprehensive understanding and analysis of lighting instruments, lighting plots, electricity, and elements of design, students will receive hands-on experience while assisting in designing lights for mainstage and/or black box productions.

THTR 3318 - Properties Design (3)

Combining both properties design and creation, students will receive practical properties design experience in the historical, modern, and contemporary theatre. Students will receive hands-on experience in designing and construction of properties for a mainstage and/or black box production.

THTR 3319 - Costume Design (3)

Combining both costume history and the mechanics of design, students will receive practical costume design experience in the historical, modern and contemporary theatre. Students will receive hands-on experience while assisting in designing and construction of costumes for a mainstage and/or black box production.

THTR 3320 - Stage Management (3)

Stage Management will teach basic to advanced training in stage management. Designed to prepare the student for work in a variety of performance venues as a stage manager, all aspects of management will be explored: from auditions to strike. This course has a special emphasis on theatre safety and communication.

THTR 3325 - Theatre Management (3)

This class is an introduction to theatrical management and production, with an emphasis on practices and leadership. No prior knowledge of management is necessary for the successful completion of this class. This course will provide students with a working knowledge of theatrical management while utilizing hands-on experience within the three performance spaces (Mainstage Theatre, the Black Box Theatre, and Arrendale Amphitheater). The course will include a variety of learning and teaching techniques including lecture, readings, and in-class activities.

Prerequisite: THTR 2205 and THTR 2210.

THTR 3335 - Theatre for Social Change (3)

Theatre for Social Change will offer the student a chance to truly broaden their personal, political and religious values by examining the values of other individuals and cultures. Within a world of political unrest and cultural diversity, the theatre has become a "mouth-piece" for social change. This experience will not only strengthen the student as an actor, director or designer but also as an individual with a personal and unique voice.

THTR 3340 - Theatre for Youth Production II (3)

Structured for upper class educators and performers, this course develops leadership skills required to create theatre and understanding of theatre for youth. Structured to be entertaining, and hands-on, this course depends highly on class participation. The compressed time schedule and small budget teaches students that theatre can be created with minimal resources.

THTR 3350 - Playwriting (3)

Students will learn and develop the ability to create a script. By evaluating these scripts, the students will also develop critical thinking and evaluation skills. They will also learn how the production team influences the script as well as the playwright. Students will gain and apply this knowledge to a variety of different scripts and styles and how they function in a theatrical performance.

THTR 3426 - Special Effects and Pyrotechnics for the Stage (3)

This class is an introduction and overview into the world of special effects and pyrotechnics. No prior knowledge of special effects or experience is necessary for the successful completion of this class. This course will provide students with a working knowledge of various components of special effects and pyrotechnics as well as an overview of the historical development of special effects, so that they may become well rounded within their craft. The course will include a variety of learning and teaching techniques including lecture, readings, group projects, and in-class activities. Students wishing to do so may work towards pyrotechnic licensing in the state of Georgia.

THTR 4410 - Fundamentals of Directing (3)

This course is a study of the techniques of stage direction, including practical exercises in script analysis, blocking techniques and staging selected or improvisational scenes. After in depth play analysis, each student stages a scene or a short play. Written analysis required.

Prerequisite: Fundamentals of Acting.

THTR 4420 - Creative Dramatics (3)

This course is an introduction to the process of educating through drama. Knowledge will be acquired in practice by observing, participating in, leading, and evaluating the use of creative drama to teach both elementary-level content and basic theatre skills. Students will also read, discuss, analyze, and write about current drama in education theory and practice. An important part of this course is an After-School Drama Workshop with elementary children. For a portion of the semester students will meet at a local elementary school during our regularly scheduled class time when we will engage in drama with children. Students will have an opportunity to observe, lead, and evaluate drama lessons in a school setting.

THTR 4425 - Advanced Technical Theatre (3)

Building upon skills developed in THTR 2205 (THE 205), Basic Technical Theatre, students will address special issues inherent in various forms of set construction, lighting and sound design. Students will also act as a technical director or assistant director of a mainstage production.

THTR 4430 - Advanced Directing (3)

Building upon the skills developed in THTR 4410 (THE 410), this course is an analysis and understanding of historical, contemporary and experimental styles, thus allowing the students directing experience in a variety of performance spaces (arena theatre, performance art, alley theatre, etc.)

THTR 4431 - Arts Administration Internship in Theatre I (1)

This course will provide students with the opportunity to gain practical experience by assisting in the administration of three performance venues (Swanson Mainstage, The Black Box Theatre and Arrendale Amphitheater). Students will work directly with the organizational leadership of the venue in season development, advertising, audience development, budgets, and other areas based on the interests of the students and the needs of the organization.

Prerequisite: Fundamentals of Directing, Theatre History I & Theatre History II.

THTR 4432 - Arts Administration Internship in Theatre II (1)

A continuation of the arts administration internship in theatre. May be repeated for credit.

Prerequisite: THTR 4431.

THTR 4435 - Advanced Scene Design (3)

Building on skills developed in THTR 3305, Basic Scene Design, this course addresses the specific needs of the set designer in regard to the various performance spaces in contemporary theatre (black box, arena, outdoor theatre, etc.)

THTR 4441 - Capstone in Arts Administration (1)

This is a capstone course focusing on the knowledge and experience gained in Arts administration and emphasizing professional experiences and career achievement. Written project and a public presentation will tie together information gained throughout the student's career at Piedmont and present issues important to emerging arts administrators.

Prerequisite: Senior standing.

THTR 4444 - Internship (5)

As a part of the Post-Baccalaureate Certification-Only program in Drama Education, students will complete two semesters of an internship while teaching theatre in the classroom setting. The student participating in the internship will be assigned a college supervisor who will perform regular observations and assessments on the student's growth as a Theatre instructor. Responsibilities are outlined in the Internship syllabus/handbook.

THTR 4445 - Internship (5)

As a part of the Post-Baccalaureate Certification-Only program in Drama Education, students will complete two semesters of an internship while teaching theatre in the classroom setting. The student participating in the internship will be assigned a college supervisor who will perform regular observations and assessments on the student's growth as a Theatre instructor. Responsibilities are outlined in the Internship syllabus/handbook.

THTR 4460 - Senior Project (3)

Cumulative and capstone exercise in theatre scholarship, acting, directing, dramaturgy, design, playwriting, stage management, or technical production followed by a written account of the experience. May be pursued on-or-off campus, provided that project has faculty approval.

Prerequisite: Senior standing and/or instructor's approval.

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