Covenant College Catalog

Covenant College is a four-year liberal arts college of the Reformed Presbyterian Church, Evangelical Synod, and is a member of the Southern Association of Colleges and Schools. Covenant College is in compliance with Title VI of the Civil Rights Act of 1964. It does not discriminate in admissions, financial aid, or access to, or employment in programs and activities on the basis of race, color, national origin, handicap or sex.

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# Calendar for 1978-1979

## Fall Semester 1978
- **August 14**: Soccer Camp begins
- **August 17-18**: Faculty Fall Conference
- **August 21**: Transfer and freshman students arrive
- **August 22-24**: Academic counseling and orientation
- **August 22**: Placement examinations (8:00 a.m.)
- **August 22**: Parents visit with faculty members
- **August 23-24**: Registration
- **August 25**: First day of classes
- **August 26**: All-school outing
- **August 27**: Opening Convocation
- **September 1**: Last day to request that “Directory Information” be withheld
- **September 8**: Last day to add a course or to change to or from Pass/Fail
- **September 14-30**: Homecoming
- **October 3**: Grub Day
- **October 19-23**: Fall recess
- **October 23**: Mid-semester marks due
- **October 24**: Classes resume
- **October 31**: Last day to drop a course or change to audit
- **November 8**: Day of Prayer
- **November 23**: Thanksgiving recess
- **December 14-20**: Final examinations

## Spring Semester 1979
- **January 3**: Registration
- **January 4**: First day of classes
- **January 17**: Last day to add a course or to change to or from Pass/Fail
- **February 23**: Mid-semester marks due
- **February 28**: Day of Prayer
- **March 3-12**: Spring recess
- **March 13**: Classes resume
- **March 16**: Last day to drop a course or change to audit
- **April 5**: Grub Day
- **April 7**: Undergraduate Program exams for seniors
- **April 27**: Last day of classes
- **April 30-May 4**: Final examinations
- **May 5**: Commencement

## Summer Session 1979
- **May 7**: First day of classes
- **May 25**: Last day of classes

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### CALENDAR FOR 1978

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<thead>
<tr>
<th>JANUARY</th>
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### CALENDAR FOR 1979

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Statement of Purpose

Covenant College is a Christian institution of higher education, emphasizing liberal arts, operated by a board of trustees elected by the General Synod of the Reformed Presbyterian Church, Evangelical Synod.

The college is committed to the Bible as the Word of God written, and accepts as its most adequate and comprehensive interpretation the summary contained in the Westminster Confession of Faith and Catechisms. We acknowledge Christ pre-eminent as the creator of all things, as the redeemer of men fallen-into sin, as the touchstone of all truth and as the sovereign ruler over all areas of life.

The purpose of Covenant College is stated in its motto—"That in all things Christ might have the pre-eminence." (Colossians 1:18) To serve this end we seek to appropriate the mind of Christ so that we might characterize and respond to reality in accordance with Biblical teachings. In attempting to make a Biblically grounded frame of reference explicit and operative, we are dedicated to excellence in academic inquiry, and we desire to define all areas of the college's structure and program according to this understanding and purpose.

With these commitments in mind we seek to work together as a college community, responsibly striving, corporately and personally, to accomplish these general aims in every area of life:

(1) to see creation as the handiwork of God and to study it with wonder and respect;
(2) to acknowledge the fallen nature of ourselves and of the rest of creation and to respond, in view of the renewal which begins with Christ's redemption, by seeking to bring every thought and act into obedience to Him;
(3) to reclaim the creation for God and redirect it to the service of God and man, receiving the many valuable insights into the structure of reality provided by the good hand of God through men of learning in every age, and seeking to interpret and re-form such insights according to the Scriptures;
(4) to think as Christians about culture and endeavor to make it reflect our commitment to Christ in order to glorify God and promote the true advancement of men.

As an educational institution Covenant College specifically directs its efforts toward the students who enroll. This is done in the academic disciplines as well.

A. Students in on-campus programs are expected to become active participants in the general tasks outlined above. It is the college's purpose to help these students make significant progress toward maturity in the following areas:

(1) Identity in Christ. A Christian student is a person who is united with Christ and committed to Him. This union and commitment should lead to an understanding both of one's sin and of one's significance as a person redeemed by Christ, resulting in a growing awareness of purpose.

(2) Christian frame of reference. A Christian student should be acquiring the ability to orient his whole life by a perspective based on Biblical revelation. For realization of this goal the following are important:

(a) Scriptural knowledge. A Christian student should be acquiring a working knowledge of the Scriptures, rejoicing in their promises and allowing them to direct his thoughts and actions in every area of his life.

(b) Academic inquiry. A Christian student should be acquiring a broad appreciation of the various aspects of creation, becoming familiar with valid methods of inquiry into each area of study. He should be acquiring some depth in one or two academic disciplines.

(c) Analytical skills. A Christian student should be acquiring the capacity for incisive, critical and logical thinking.

(d) Communication skills. A Christian student should be acquiring the ability to communicate ideas clearly in both speaking and writing.

(3) Service which is Christian.

(a) A Christian student should be assuming his responsibilities within a local congregation as well as in the community of all believers. This implies that he should demonstrate a positive influence on others while at the same time accepting their loving concern for him.

(b) A Christian student should be assuming responsibilities in society as a servant of God. This involves his total life-calling to fulfill his covenantal responsibilities as succinctly summarized in Genesis 1:28 and Matthew 28:18-20, including not only his specific vocation, but all other activities as well.

B. Covenant College considers that it has a responsibility to contribute to the intellectual, moral and spiritual development of persons who may not be able to become involved in on-campus degree programs. Furthermore, the college has a responsibility to provide certain educational services to the surrounding geographical community. It may, therefore, engage in certain continuing education and extension programs. Faculty in such programs are expected to teach on the basis of the college's commitment even though students may not be able to participate fully in the general tasks outlined in an earlier part of this statement.
<table>
<thead>
<tr>
<th>General</th>
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<tbody>
<tr>
<td>Application fee (payable only once)</td>
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<tr>
<td>Tuition per semester (12-18 units)</td>
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<td>Tuition for students taking less than 12 units, per unit</td>
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<td>Tuition for units in excess of 18, per unit</td>
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<td>Student Activity fee, per semester</td>
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<td>Dormitory equipment fee (payable only once)</td>
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<td>3/room</td>
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<tr>
<td>2/room</td>
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<td>Room deposit (refundable)</td>
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<tr>
<td>Late registration</td>
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<td>Change in courses</td>
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<td>Late placement tests, each</td>
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<tr>
<td>Examinations at unscheduled hours</td>
<td>5.00</td>
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<tr>
<td>Transcripts, after first, each</td>
<td>1.00</td>
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<tr>
<td>Graduation fee (includes Undergraduate Program examination fee)</td>
<td>25.00</td>
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<tr>
<td>Transportation to and from terminals - to be announced</td>
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<tr>
<td>Choral fee, per year</td>
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<td>Auditing fee, per unit</td>
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<td>Health Insurance fee</td>
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<tr>
<td>Course fees in science, physical education, psychology, education, and art (see course descriptions in the catalog)</td>
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<tr>
<th>Music</th>
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<tbody>
<tr>
<td>Fees for private instruction per semester</td>
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<tr>
<td>For full-time students:</td>
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<tr>
<td>One half-hour lesson weekly</td>
<td>50.00</td>
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<tr>
<td>Two half-hour lessons weekly</td>
<td>100.00</td>
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<tr>
<td>(Additional charge may be necessary for instruction taken off campus.)</td>
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To determine a total budget for the semester, the student may add the following estimated expenses to tuition, fees, room and board:

- Books and Supplies $95.00
- Transportation $110.00
- Personal $165.00
**Covenant College**

**Calendar for 1979-1980**

### Fall Semester 1979

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>August 13</td>
<td>Soccer Camp begins</td>
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<tr>
<td>August 16,17</td>
<td>Faculty Fall Conference</td>
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<td>August 20</td>
<td>Transfer and freshman students arrive</td>
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<tr>
<td>August 21-23</td>
<td>Academic counseling and orientation</td>
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<tr>
<td>August 21</td>
<td>Placement examinations (8:00 a.m.)</td>
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<tr>
<td>August 21</td>
<td>Parents visit with faculty members</td>
</tr>
<tr>
<td>August 22,23</td>
<td>Registration</td>
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<tr>
<td>August 23</td>
<td>Opening Convocation</td>
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<tr>
<td>August 24</td>
<td>First day of classes</td>
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<tr>
<td>August 25</td>
<td>All-school outing</td>
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<tr>
<td>September 7</td>
<td>Last day to add a course or to change to or from Pass/Fail</td>
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<td>September 28,29</td>
<td>Homecoming</td>
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<tr>
<td>October 18-22</td>
<td>Fall recess</td>
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<tr>
<td>October 22</td>
<td>Mid-semester marks due</td>
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<tr>
<td>October 23</td>
<td>Classes resume</td>
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<tr>
<td>October 31</td>
<td>Last day to drop a course or change to audit</td>
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<td>November 14</td>
<td>Day of Prayer</td>
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<td>November 22</td>
<td>Thanksgiving Recess</td>
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<td>December 10</td>
<td>Thursday schedule of classes meets today</td>
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<td>December 12</td>
<td>Last day of classes</td>
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<td>December 13</td>
<td>Reading Day</td>
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<td>December 14-19</td>
<td>Final examinations</td>
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### Spring Semester 1980

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<td>January 9</td>
<td>First day of classes</td>
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<td>January 23</td>
<td>Last day to add a course or to change to or from Pass/Fail</td>
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<td>February 25</td>
<td>Mid-semester marks due</td>
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<td>February 27</td>
<td>Day of Prayer</td>
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<td>March 1-10</td>
<td>Spring Recess</td>
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<td>March 11</td>
<td>Classes resume</td>
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<td>March 14</td>
<td>Last day to drop a course or change to audit</td>
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<td>March 29</td>
<td>Undergraduate Program exams for seniors</td>
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<td>May 2</td>
<td>Last day of classes</td>
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<tr>
<td>May 5-9</td>
<td>Final examinations</td>
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<tr>
<td>May 10</td>
<td>Commencement</td>
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### Summer Session 1980

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<tr>
<td>May 12</td>
<td>First day of classes</td>
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<tr>
<td>May 30</td>
<td>Last day of classes</td>
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</table>
Covenant College is a Christian, liberal arts college affiliated with the Reformed Presbyterian Church, Evangelical Synod, and committed to Jesus Christ and His Kingdom. Covenant seeks to help its students understand more fully the Scriptural implications of Christ's pre-eminence as they study the natural creation, cultivate the arts and produce sound societal relationships in business, home, school and state. To accomplish these ends, Covenant bases its academic program on the Bible, the written Word of God.

Covenant College is in compliance with Title VI of the Civil Rights Act of 1964. It does not discriminate in admissions, financial aid, or employment in programs and activities on the basis of race, color, national origin, handicap or sex.

Accreditation
Covenant College is accredited by the Southern Association of Colleges and Schools.

Academic Program
The college, which has a two semester academic year and a summer program, awards Associate of Arts, Bachelor of Arts and Bachelor of Music degrees with 16 liberal arts majors and several pre-professional programs.

Off-campus Study
Covenant students have the opportunity to get part of their education in interesting off-campus study projects. They can receive credit for study at L'Abri Fellowship, the Study Abroad Program of Christian Colleges, the American Institute of Holy Land Studies or for summer overseas mission work with World Presbyterian Missions.

Campus
The college was founded in 1955 and established in 1964 on Lookout Mountain in the northwest corner of Georgia, overlooking the city of Chattanooga, Tennessee.

Anna E. Kresge Library
The library collection, including approximately 93,000 items, is housed in the Anna E. Kresge Library near the center of the campus. The building features a language laboratory, a center for curricular materials, an audio-visual center and individualized study carrels throughout the stack areas. Included in the library are the beginnings of the large Stanley S. and Dorothy McVittie Kresge Collection for Christian Learning, a gathering of books and other resources chosen specifically for their ability to help students integrate their own courses of study with their Christian commitment. Also included is the T. Stanley Soltau collection of books in Bible and missions.

Carter Hall
The administration offices, many classrooms, dining hall, book store and snack bar are all located here.

Residence Halls
Students are housed in two buildings on campus: Carter Hall and a men's residence hall.

Dora Maclellan Brown Memorial Chapel/Fine Arts Building
This recently constructed facility provides an 800-seat auditorium, in addition to a smaller recital hall on one of the lower levels. A drama workroom and several faculty offices are also on the lower levels.

Other Facilities
The modern physical education center contains the college gymnasium, classrooms, recreation rooms and a weight room. Tennis courts are available on campus. The college's large athletic field for soccer and baseball is near the campus, and the swimming pool is adjacent to Carter Hall. Other campus buildings include the art workshop/psychology lab and the music building.

Covenant manages the nearby Lookout Mountain recreation center, and the facilities there are available for student use. The chalet-style, natural stone building contains a snack bar, pool tables, electronic games, shuffleboard areas, study areas, conference rooms and a TV room with a large fireplace.

Costs
It is the desire of Covenant College, within the limits of its available funds, to offer its Christian educational opportunities to all who qualify for admission, regardless of individual economic circumstances.

The cost of an education at Covenant is only partly covered by tuition charges; the balance is paid from contributions made by friends and alumni of the college. Because of increasing costs, the Board of Trustees reserves the right to make changes at any time in the tuition charges and other general and special fees.

The college requires that each student have sufficient funds at registration to cover the expenses of the semester. Students may obtain the funds from their own sources or they may participate in the Student Billing Program administered by the Master Charge Department of the American National Bank and Trust Company of Chattanooga, TN.

Students using the Student Billing Program must pay at least the minimum payment for each billing. Students having an open account from a previous semester will not be permitted to register.

The office of Admissions and Records will not issue transcripts of academic credit for students with unpaid accounts or past due payments on National Direct Student Loans.

Fees and Expenses for 1978-1979

General

| Application fee (payable only once) | $15.00 |
| Tuition per semester (12-18 units) | 1390.00 |
| (All Georgia residents receive the Georgia Tuition Equalization Grant of $600 for the academic year.) |
| Tuition for students taking less than 12 units, per unit | 116.00 |
| Tuition for units in excess of 18, per unit | 80.00 |
| Student Activity fee, per semester | 20.00 |

Residence

| Dormitory equipment fee (payable only once) | 15.00 |
| Key deposit | 5.00 |
| Board, per semester | 430.00 |
| Room, per semester (includes linens) | 430.00 |

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## Special Fees

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<th>Fee Description</th>
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<td>Room deposit (refundable)</td>
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<tr>
<td>Advance deposit on fees (not refundable)</td>
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<tr>
<td>Change in courses</td>
<td>10.00</td>
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<tr>
<td>Late placement tests, each</td>
<td>10.00</td>
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<tr>
<td>Examinations at unscheduled hours</td>
<td>5.00</td>
</tr>
<tr>
<td>Transcripts, after first, each</td>
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</tr>
<tr>
<td>Graduation fee (includes Undergraduate Examination Program fee)</td>
<td>25.00</td>
</tr>
<tr>
<td>Transportation to and from terminals...to be announced</td>
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<tr>
<td>Chorale fee, per year</td>
<td>3.00</td>
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<tr>
<td>Health Insurance fee</td>
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<tr>
<td>Course fees in science, physical education, psychology, education and art (see course descriptions in the catalog)</td>
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## Music Fees

- Fees for private instruction per semester
  - For full-time students:
    - One half-hour lesson weekly | 50.00 |
    - Two half-hour lessons weekly | 100.00 |

(Additional charge may be necessary for instruction taken off campus.)

## Board and Room

All junior, sophomore, and freshman students, unless twenty-one years of age or older, must live in the residence halls unless specifically excused by the Dean of Students. Seniors and students 21 years of age and older are eligible to live off campus dependent on the full capacity of the college residence halls.

Meals are served beginning on registration day through final examinations, with the exception of the fall and spring recesses.

Rooms may be occupied without charge by returning students on the day before registration and by new students on the day before the orientation and testing programs begin.

Students engaged in Education 422/424: Teaching Practicum follow the calendar of the school to which they are assigned for their student teaching and therefore, if they reside in the dormitories, are permitted to remain during the college recesses for no extra room charges. They will provide their own meals.

Linen service, including two single bed sheets, a pillowcase and two towels, will be provided for students on a weekly basis.

## Admissions

A student is admitted to Covenant College by certificate from his secondary school, by transfer, or by examination in special cases. The admissions committee seeks to attract students who give evidence of those qualities of mind and purpose which an education in a Christian liberal arts college requires and whose personal qualifications give assurance that they will be responsible and contributing members of the college community. Applicants are asked to offer a credible profession of faith in Jesus Christ as Savior and Lord. Those who have not themselves made a profession of faith in Christ but who are children of a believing parent or parents will also be considered for admission.

Covenant College is accredited by the Southern Association of Colleges and Schools. The college was approved for nonimmigrant students on September 23, 1956, by the District Director of the Immigration and Naturalization Service. Covenant is also approved for the training of ex-service personnel under public laws, and the college meets the criteria established by the United States Office of Education for listing in its higher education directory. The teacher education programs of Covenant College are approved by the State of Georgia Department of Education.

### Application for Admission

To apply, students should obtain an application from the Admissions Counseling office and return the completed application form with a $15 application fee. An official transcript from the student's high school and any post-secondary school should be sent to: Admissions Counseling, Covenant College, Lookout Mountain, Tennessee 37350.

Scores from either the Scholastic Aptitude Test (SAT) or the American College Test (ACT) should also be sent. Covenant's code number is 6124 for the SAT and 3951 for the ACT.

Once all necessary information has been received, the application will be acted upon. To confirm acceptance to the college, the student should send a $100 deposit ($65 non-refundable) to be applied toward tuition and room for the first semester at Covenant.

Each student must also submit a physician's certificate on forms furnished by the college.

### Admission from a Secondary School

A candidate for admission should be a graduate of an approved secondary school. The student should have at least 15 units, each unit representing one year of satisfactory work in a subject. It is recommended that the units be distributed as follows:

- English ........................................3 or 4
- Mathematics (algebra, trigonometry, geometry) ............2
- One foreign language ..................................2
- History and social studies ................................2
- Natural science .......................................2
- Electives ........................................3 or 4

Candidates for admission should present marks of A, B or C in secondary school subjects and a combined score of 800 or higher in the SAT examinations.
Since the primary concern is evidence that a student is prepared to carry on college work, the Admissions Committee is willing to consider the applications of students whose preparation may vary from the usual pattern. For instance, students may be admitted if they have equivalent education representing a normal four-year course of study, provided they present above average marks and national test scores.

Applicants who attain a satisfactory score on the General Education Development Tests may also be admitted.

**Advanced Placement**

**Testing Program**

During the orientation period in the fall, all entering freshmen who wish to bypass core courses in English, mathematics, Bible or foreign language must take Covenant's placement tests.

**Educational Testing Service**

Students enrolled in the Educational Testing Service's college-level Advanced Placement Program courses in secondary schools will be given credit for courses in which they earn scores of 4 or 5 on the Advanced Placement Examinations, and may bypass courses in which they earn a score of 3.

**College Level Examination Program**

A maximum of 30 units of credit may be earned in the College Level Examination Program (CLEP) sponsored by the College Entrance Examination Board. Credit will be given for general examinations on which a score of 560 is earned, and courses may be bypassed with scores of 500. Credit may be earned in CLEP's Subject Examinations for which parallel courses are offered at Covenant College. Qualifying scores range from 45 to 51 depending on the particular examination. Credit in the same area of study will not be given for both the general and the subject examinations.

Further information about CLEP examinations approved for credit and minimum scores required may be obtained from the Office of Admissions and Records. Such credits are placed on the student's Covenant College record after he has successfully completed 12 units of credit at the college. Credit by examination will not be given for courses for which the student has already earned college credit.

**Admission of Transfer Students**

Students with satisfactory records from other colleges or educational institutions of approved standing will, providing the courses have been completed with a cumulative grade-point average of 2.0 on a 4.0 scale, ordinarily be granted transfer credit. Students accepted from non-accredited schools will initially be given conditional credit; full credit will be given after the student has demonstrated ability to do satisfactory work at Covenant College. The Admissions Committee will also consider admitting a few transfer students each year who are on current academic probation or suspension in other institutions, provided there is ample evidence that a second academic opportunity is warranted.

Transfer students may, with the consent of department heads, be excused from certain required courses for which they have had equivalent general subject matter. No more than nine units of credit will be granted for courses taken by correspondence from other schools.

No student admitted from another institution will be eligible for graduation from Covenant College until he has completed a minimum of 30 academic units (not including summer sessions) in this institution.

**Special Students**

The college will on a limited basis admit as special students mature persons who do not wish to work for a degree because of personal objectives or because of irregularities in qualifications. The Admissions Committee may also admit as special students for a single semester, persons who have appealed their academic suspension status and desire one more opportunity to demonstrate their ability to do college work. Special students will not receive college credit unless their status is changed to regular standing. They will be required to pay the regular tuition fees.

**Auditors**

Persons who do not wish to register for credit or as special students may be permitted to register as auditors under the following conditions: that they (1) pay the tuition charges for the courses in which they seek enrollment and the regular fees (no additional fee for students registered for a full-time load); (2) obtain the consent of the instructor and (3) audit only courses for which there are adequate classroom and laboratory facilities. Graduates of Covenant College may audit courses in the regular fall and spring semesters without tuition charge. All permissions and registrations for auditing courses shall be filed in the Registrar's Office.

**Payment of College Charges**

Inasmuch as a student's account cannot be estimated exactly in advance of registration day, it is required that the amount of tuition, room and board be paid at registration. This amount is approximately $2075.00.

If the student is not able to pay the full amount at registration time, he must plan to participate in the Student Billing Program administered by the Master Charge Department of the American National Bank and Trust Company of Chattanooga. Under this program he has 25 days in which to pay this bill without incurring a carrying charge. After that, interest charges are determined at the rate of 1 1/2% per month on the unpaid balance. The billing will be on the basis of three equal payments.

Students with outstanding accounts at the end of the semester will not receive grades or transcripts for their academic work and will not be allowed to register for additional studies.

**Budget Estimate for a College Year**

It is suggested that each student prepare in advance an estimate of his expenses for a college year (two semesters). In addition to the charges itemized under Fees and Expenses, the student should include in such an estimate his travel expenses, clothing, laundry, cleaning and incidental personal expenses. Books and supplies will normally cost $80.00 to $100.00 a semester. Students provide their own blankets (for single beds) although other linens are supplied as described under Board and Room. It is customary for roommates to consult each other after arrival about the color scheme for bed spreads and any other room accessories they desire.

**Financial Aid**

Inquiries concerning financial aid should be addressed to the Director of Student Financial Aid. Application for financial
assistance must include a Covenant College Student Financial Aid Data Sheet and a Financial Aid Form (FAF). These forms are sent to all prospective students when their application for admission to the college is received. The FAF is filed with the College Scholarship Service, Box 176, Princeton, NJ 08540 or Box 380, Berkeley, CA 94701. The Covenant College code number is 6124.

Inasmuch as information for the forms is based on family income of the preceding calendar year, the required forms should not be filed until after January 1. Applications received by March 31 will be given first consideration.

Covenant College participates in the following financial aid programs:

I. Aid Directly Administered by Covenant College from Non-government Sources.

1. Academic Scholarships
   These awards are based on academic achievement and are renewable if the student maintains the prescribed grade point average.

2. Athletic Grants
   These awards are based on athletic ability in the intercollegiate sports in which Covenant participates. The Director of Athletics should be contacted by students interested in these grants.

3. Music Awards
   These awards are given to students majoring in music upon recommendation of the Music Department. Interested students should contact the Chairman of the Music Department. If the student is not able to come to the campus for an audition, a tape will be requested.

   In addition to general music awards, two special annual music awards of $200 each have been established. The awards are granted to students who desire significant involvement in the area of quality literature and quality performance in trumpet and trombone. Applicants should contact the Chairman of the Music Department.

4. Reformed Presbyterian Leadership Scholarships
   These awards are made to entering freshmen who are members of a local Reformed Presbyterian Church and show promise of future leadership in the Church. A written letter of recommendation by the session of the student’s church are required. Application forms are sent in January to all Reformed Presbyterian pastors for distribution.

5. Reformed Presbyterian Ministerial Grants
   Partial tuition grants are awarded to dependent children of ordained Reformed Presbyterian ministers engaged in the full-time pastorate, Christian service, board appointed mission work or retired from the same.

6. The Jim Luikart Art Award has been established by Mr. and Mrs. Max Luikart for a student in the art program with demonstrated financial need. The scholarship recipient must be recommended by the Chairman of the Art Department.

7. The Barrows Endowment Fund, established by Mr. and Mrs. Fred C. Barrows of Lookout Mountain, provides tuition assistance for a freshman student from Georgia, Alabama or Tennessee.

8. The Donald Andrew Mouritzen Memorial Athletic Award has been established by the family of Donald Andrew Mouritzen, a Covenant student in 1964-65 who entered the armed services of the United States and was killed in action in Viet Nam in 1967. The annual $25.00 prize is awarded to an upper classman who has made a significant contribution to the athletic program of the college.

9. The Clara Belle Dinkle Memorial, established by Captain and Mrs. Martinus Uding in memory of Mrs. Uding’s aunt, is a loan fund designated for the assistance of students seeking a nursing education. If such students are not available, the loan fund is to be used for assistance to children of missionaries.

10. The Daniel Ashley Jewell, Jr. Scholarship Fund, established by Mrs. Vera Jewell of Lookout Mountain in honor of her husband who pioneered as a businessman in the textile industry of North Georgia, has been designated to provide scholarship assistance primarily to students majoring in the field of Business Administration and Economics. The scholarship recipient must be recommended by the Chairman of the Department of Business Administration. Applications are available from the Director of Student Financial Aid.

11. The Mina Grundish Simpson Scholarship Fund has been established by her husband, H. C. Simpson, to provide financial assistance to students whose major is music or a pre-seminary education. Application for these grants or loans must be made by requesting an application from the Director of Student Financial Aid. Academic proficiency, talent, and financial need are specifically considered. The awards are made by recommendation of the academic department head through the Director of Student Financial Aid.

12. Editors of Bagpipe and Tartan and Student Senate President are awarded partial tuition grants.

II. Federally Funded Programs administered by Covenant College

1. National Direct Student Loans (NDSL)
   These are low interest loans repayable after the student leaves college.

2. Supplemental Educational Opportunity Grants (SEOG)
   These are direct grants which need not be repaid, designed for students in families with low incomes.

3. Basic Educational Opportunity Grants (BEOG)
   Application for these grants is made by completing items 83 and 84 on the Financial Aid Form. The student will receive a Student Eligibility Report (SER) which must be sent to the Director of Student Financial Aid at Covenant in order for the grant to be awarded.

4. College Work Study Program
   This program provides work opportunities for deserving students. Students who meet the financial requirements will be assigned work in one of the departments of the college at a standard hourly rate of pay for a minimum of ten hours per week. A monthly check will be issued to the student after work hours are completed.

III. Financial Aid Available from Other Sources Outside Covenant College

1. Federally Insured, State Insured, and USAF Loans (Guaranteed Student Loans)
   This program enables students to borrow money directly from banks or state loan corporations. Applications are available from local banks or in some situations from the college. The maximum loan for an academic year is $2500 and the interest rate is 7%. If the adjusted family income is less than $25,000 the student qualifies for federal interest subsidy. Further information may be obtained from a local
This is a state aid program providing a grant of $600.00 to all eligible students attending approved private colleges in Georgia. Eligibility requires that the student be a legal resident of Georgia for a minimum of 12 months and be classified as a "full-time" undergraduate student. Applications for the grant are mailed from Covenant to all Georgia residents who are accepted for enrollment for the following term.

3. Georgia Incentive Scholarship
Students who have been legal residents of Georgia for a minimum of 12 months may apply for this scholarship aid. The awards range from $150 to $450 a year and since funds are limited, early application is encouraged. Applications are available from high school counselors or from the Student Financial Aid Office. It is necessary to complete an FAF and list the Georgia Higher Education Assistance Authority in Item 81 in order for GHEAA to receive a copy of the need analysis. The code number is 0472.

4. State Grants and Scholarships
Some states have programs which provide aid directly to students living outside the state. Pennsylvania, Vermont, and Massachusetts are among such states. High school counselors may provide further information about such awards, or the Office of Higher Education in the state in which the student lives may be contacted.

5. Ty Cobb Educational Scholarships
Students are eligible to apply for this scholarship if they are residents of Georgia, not married, and have completed at least one year of B quality or higher in an accredited college. The scholarships are awarded in the amount of $450.00 to $1000 to students who have financial need. Applications may be requested from:

Ty Cobb Educational Foundation
Room 451
244 Washington Street, SW
Atlanta, Georgia 30334

6. Veterans' Loans
The Veterans' Administration makes educational loans available to veterans who are in attendance at an educational institution on at least a half-time basis. Applications and further information may be obtained from the Student Financial Aid Office.

Refunds

Compulsory Withdrawal
When a student is requested to withdraw because of unsatisfactory academic work, failure to comply with regulations of the college or personal conduct considered to be injurious to the maintenance of wholesome campus life, no tuition fees will be refunded to the student. Board will be refunded on a prorated basis.

Schedule
Refunds are granted only upon written application to the Business Office of the College when a student has withdrawn formally through the office of the dean of students. The college will normally adjust accounts on tuition and fees. The following policy will prevail:

If the student leaves during the first two weeks, a refund on tuition and fees of 80%; during the third week, 60%; during the fourth week, 40%; during the fifth and sixth week, 20%; after the sixth week, no refunds.

Board refund will be prorated on days remaining in the semester. No refund is allowed on a late registration fee. Due to the nature of commitments concerning dormitory room availability, room charges are not refundable.

Veterans
The refund policy of Covenant College shall be in accordance with the regulations of the Veterans Administration, Section 254, Public Law 550, that is, it shall maintain "a policy for the refund of the unused portion of tuition, fees, and other charges in the event a veteran fails to enter the course or withdraws or is discontinued therefore at any time prior to completion and such policy provides that the amount charged to the veteran for tuition, fees, and other charges for a portion of the course does not exceed the approximate prorata portion of the total charges for tuition, fees, and other charges that the length of the completed portion of the course bears to its total length."

Part-Time Employment
Part-time employment is available to many students in the nearby communities. Some students earn only a few dollars under the part-time work program, while other students earn a substantial part of their college expenses. The college cannot guarantee off-campus employment to any of its students, but offers assistance in obtaining part-time jobs. A student who needs to earn part or all of his college expenses must have his work plans approved in advance and arrange his academic load in special conference with his adviser.

Insurance
All students not completing an insurance waiver card will be required to participate in the student medical insurance program sponsored by the college. Details on coverage and cost are available upon request from the Business Office. All students desiring to participate in the college's intercollegiate athletic program must participate in the student medical insurance program.

Registration

Orientation
During the first week of the fall term, new students arrive on campus, ahead of upperclassmen, for a special program of orientation. In this period, they take placement tests, attend lectures on student life and traditions, become acquainted with campus facilities, receive pre-registration counseling, participate in social gatherings and complete their registration.

As a continuing part of the new student's orientation to college life, permission for off-campus weekends or overnight visits will not be granted until the fifth weekend after registration.

Registration Rules
All students will be expected to register during the regular registration periods at the beginning of each semester. Late registration will entail a fee of $15.00.

A student is not considered fully registered until he has paid the entire amount of his semester's charges.

The tenth day of classes in each semester is the last day it is possible to register for full credit in any course. All work missed must be made up.
Course Load
Regularly enrolled students will be expected to carry 15 credit units per semester. Students will not be allowed to register for more than 19 units without special permission. Those students whose class work is below standard, or who find it necessary to be employed for more than 20 hours of work each week, may be required to reduce their programs of study. Students who carry 12 or more units are considered full-time students.

Dropping or Changing Courses
A student who wishes to withdraw from an individual course, or to change his enrollment from one course to another, must have the expressed permission of the registrar. Students withdrawing from a course after the last day to drop a course (following distribution of mid-semester grade reports) will receive the mark WP if at the time of withdrawal their average mark in the course is passing, or the mark WF if their average mark is failing. No student will be allowed to change courses after the tenth day of classes in any semester. A fee will be charged for all class changes unless the circumstances requiring the change are beyond the control of the student.

Withdrawal from the College
Students desiring to withdraw from school before the end of a semester must notify the Dean of Students and process an official Withdrawal Clearance Form available in his office. For refunds see page 7.

Privacy Rights of Students
Notice to Students
The Family Educational Rights and Privacy Act of 1974, with which the college intends to comply fully, was designated to protect the privacy of education records, to establish the right of students to inspect and review their education records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the college to comply with the Act.

The college’s Institutional Policy Concerning Privacy Rights of Students explains in detail the procedures to be used by the college for compliance with the provisions of the Act. Copies of the policy can be secured in the Office of Admissions and Records. This office also maintains a Directory of Records which lists all education records maintained on students by the college. Questions concerning the Family Education Rights and Privacy Act may be referred to the Office of Admissions and Records.

Notice Designating Directory Information
Covenant College designates the following categories of student information as public or "Directory Information." Such information may be disclosed by the institution for any purpose, at its discretion.

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category I</td>
<td>Name, address, telephone number, dates of attendance, class.</td>
</tr>
<tr>
<td>Category II</td>
<td>Previous institution(s) attended, major field of study, awards, honors, degrees conferred (including dates).</td>
</tr>
<tr>
<td>Category III</td>
<td>Past and present participation in officially recognized sports and activities, physical factors (height, weight of athletes), date and place of birth.</td>
</tr>
</tbody>
</table>

Currently enrolled students may withhold disclosure of any category of information under the Family Educational Rights and Privacy Act of 1974. To withhold disclosure, written notification must be received in the Office of Admissions and Records prior to September 1 each year. Forms requesting the withholding of "Directory Information" are available in the Office of Admissions and Records.

Student Development
Anyone who becomes a Covenant College student does more than enter college. He joins a community where Christ is pre-eminent. We believe that a college education is more than classroom work, and our student organizations, chapel, practical work, residence hall life, athletics, standards of conduct and counseling programs are designed for the total development of the individual.

Chapel
Since we seek Christ’s pre-eminence in every aspect of our lives, we believe that worship should be an important part of college life. Students, faculty, and administration come together for praise, prayer, and meditation of God’s Word at a daily half-hour chapel program conducted by students, faculty, and guest speakers.

The church is vital in a Christian’s life, and Covenant encourages students to be actively involved in the church of their choice.

Practical Work
Christianity has established the dignity of labor, and the Reformed faith in particular emphasizes the duty of man to serve God in a variety of callings. At Covenant, every student is engaged in one to three hours of weekly practical work on the campus, and twice a year faculty and students join in a “Grub Day” to maintain, repair and beautify the college buildings and grounds.

Counseling and Placement
Students desiring assistance in selecting majors and information concerning careers may find it helpful to receive counseling and testing from the Director of Counseling and
Placement. Those special considerations of the Christians seeking to be responsive to God's will make this service something quite different from non-Christian oriented counseling even though many of the same evaluation procedures (i.e. measurement of interest, ability, etc.) may be used.

Information files on careers, other colleges and training opportunities are available for use. Placement services are also available to assist graduating seniors and alumni in locating, and obtaining, positions. Of particular interest to many students is the Inter-Christian guide to opportunities for Christian service.

As you get to know our faculty and staff you will find many of them willing to reach out to you in love when you are experiencing difficulty. Thankfully make use of such people. The Director of Counseling is a good person to start with when you feel the need for any sort of help.

Appointments for counseling services may be made in the Student Development Office.

Student Organizations

The Student Association—The Student Association is made up of all students who pay the Student Activity Fee. Through its two components, the Student Senate and the Campus Activities Board, students have a significant role in setting policies and planning activities for their benefit.

The Student Senate—The Student Senate is composed of two senators from each class, a non-voting representative from the Campus Activities Board and two advisors, one from the faculty and one from the administration. It has standing committees to deal with the constitution, with research, and with particular matters concerning commuter students. It also selects the representatives to serve on college-wide planning commissions such as the Facilities Development Task Team, the Student Development Task Team, and the Curriculum Committee. The president of the Student Senate sits on the Administrative Council of the College and participates as a member of the Budget and Finance Planning Commission. The Student Senate also supervises the three student publications.

The Campus Activities Board—The Campus Activities Board is composed of six students, two administrators and three faculty members. Its chairman, secretary and treasurer are all elected by the Student Association. The chairman of the three committees which function under its direction — the Social Committee, the Cultural Affairs Committee, and the Spiritual Affairs Committee — also serve as members of the Campus Activities Board. Its purpose is to plan, coordinate, promote and encourage a wide variety of activities for the benefit of the entire Covenant College community.

The Social Committee—The Social Committee is in charge of college-wide social functions.

The Cultural Affairs Committee—The Cultural Affairs Committee promotes both entertainment and culturally stimulating programs in such media as films, lectures, dramas, and music.

The Spiritual Affairs Committee—The Spiritual Affairs Committee presents and encourages means and opportunities for Christian service through the Christian Service Council, the Student Missions Fellowship and the Proto-Ministerial Club.


The Student Missions Fellowship—The Student Missions Fellowship seeks to promote interest in national and foreign missions among Covenant students. The fellowship has meetings as well as prayer groups representing different countries.

The Proto-Ministerial Club—The Proto-Ministerial Club is an association of students who plan to enter theological seminary upon graduation from college. It meets for informative sessions dealing with opportunities, fields of service, and challenges available to those interested in the ordained ministry of the Church.

In addition to the above named organizations, there are a variety of special interest groups of campus. Organizations currently functioning on campus include the following:

Cheerleaders—The cheerleaders function under the direction of the athletic department. Tryouts are held during the first two weeks of school and are open to all.

Drama Club—The Drama Club welcomes all students who seek opportunity for this form of expression in the arts. The club attempts to give at least two productions during the academic year.

Judo Club—The Judo Club is open to all students and promotes the sport of Judo, providing discipline of mind and body within the framework of Christian fellowship and understanding.

Music Club—The Music Club, open for membership to all students provides opportunity to share enjoyment in various kinds of music.

Publications—Publications produced by Covenant students include the campus newspaper, The Bagpipe; an annual literary magazine, The Thorn; and the Annual, The Tartan.

Music Groups—The college chorale represents the college locally and appears in one national tour each year. Membership is by audition.

The Madrigal Singers, whose membership is by audition, represent the college in special programs and take part in two annual programs.

The Oratorio Chorus is open to all members of the student body, faculty, staff, and community. It presents one concert each semester.

The Chamber Orchestra is open to the student body by audition and plays several concerts each year.

The Brass Choir—Membership is open to the student body by audition. The Choir plays various engagements throughout the year.

Small groups, both vocal and instrumental are organized under the direction of the Music Department.

Intercollegiate Athletics—The intercollegiate sports program at Covenant College includes soccer, cross country, basketball, baseball and tennis for men. Women participate in volleyball, basketball and tennis.

Intramural Athletics—Intramural programs and a wide variety of sports are directed by the Student Development Office. All students, faculty, and staff are encouraged to participate in at least one sport each semester. Intramural sports include tennis, flag football, basketball, volleyball, softball, table tennis, soccer, billiards, racketball and shuffleboard.

Residence Hall Living

Almost all Covenant students live on campus, either in Car-
ter Hall or in the nearby Men's Residence Hall. Carter Hall is currently undergoing the first stages of a projected five million dollar renovation so that student rooms will be among the best available. Most rooms are for double occupancy and all rooms in Carter Hall have private baths.

Room assignments are made by the Director of Housing. Linen, keys, and room assignments are given to students when they arrive on campus. A $5.00 refundable key deposit is paid at the time the key is issued. There will be a $5.00 charge for the replacement of a lost key.

Requests for room changes must be made through the resident assistant living on the floor of the student making the request.

During fall recess, Christmas break, spring recess and summer vacation the residence hall rooms may be used for conferences since the room charge does not include these vacation periods. Students will be notified in every case and a place will be provided for the storage of valuables. Students are required to be out of the residence halls within 18 hours after the closing date of school as published in the catalog.

Freshman Hours—Freshmen and women will be in the residence halls after the following hours unless previous permission has been granted by the Residence Hall Director:

- Sunday through Thursday: 12:00 midnight
- Friday and Saturday: 1:00 a.m.

Signing Out—All students must sign out if they plan to be out overnight, and all freshmen who plan to be away from the residence halls overnight must obtain special permission from the Director of Housing.

Resident Assistants—Because of their special concern and desire to serve their fellow students, 14 students have been chosen to be Resident Assistants. R.A.s will be available to be of assistance as needed to accommodate and supervise student development and control in the residence halls.

Laundry Facilities—Coin-operated washers and dryers for the use of all students are located in the service area of the residence halls.

Linen Service—Linen will be provided as part of the room fee. Every week, two sheets, two bath towels, and a pillow case will be available for each student to pick up. Days and time of linen pick-up will be posted.

Further details concerning housing policies and regulations may be found in the Student Handbook.

Off-Campus Housing

The Student Development Office will assist in locating off-campus housing for married students. All single students under 21 except seniors are required to live in the residence halls on campus. Students who are seniors or who are 21 years of age or older are eligible to live off campus dependent upon the full capacity of the college residence halls. Those students living off-campus must abide by the standards of conduct.

Health Service

Students are entitled to routine health and first aid care by the college health staff. A health and accident insurance policy is required of all students, or is optional for students providing proof prior to registration of other adequate coverage.

The college health facilities include a clinic and infirmaries. Emergency and infirmary nursing care is available 24 hours a day. General health problems and consultations are handled by the nurse during daily clinic hours. Medical care is arranged by appointment with private physicians in the Chattanooga area.

Insurance

Each student covered by the health and accident insurance policy will receive a brochure which discusses the details of the insurance benefits. Maternity coverage and coverage for dependents of students will be available at additional cost. This policy may be extended through the summer months if an additional premium is paid to the Accounting Office at the time of second semester registration.

Standards of Conduct

When it comes to meeting individual needs while working for the good of the community, all Christians are in a state of tension. For an institution to demand sacrifice of all personal needs for its own good is tyranny but when individuals refuse to accept any institutional roles, anarchy reigns.

Of course, neither tyranny nor anarchy can be part of a Christian community like Covenant, so the college searches constantly for Christ's solution to the tension.

The result of that search is Covenant's standards of conduct. After careful study of the Scriptures and our community, the college has developed a system of standards intended to meet Christ's expectations and maintain a balance between individual freedom and the good of the community.

Biblical Directives. Anything clearly spelled out in the moral law of God is binding on Christians everywhere, so the practices which the Bible says are morally wrong are unacceptable for the Covenant community. Among these activities are drunkenness, stealing, gossip, and slandering talk, all types of dishonesty and sexual sins. Scripture also condemns certain attitudes such as bitterness, greed, pride, jealousy, and an unforgiving spirit. We all carry a responsibility to encourage, exhort, and when necessary, admonish one another in meekness concerning sins such as these.

College Rules. The college also has regulations which make the college community function more smoothly and act as a restraint on sin.

The college prohibits:

1. the possession or use of alcoholic beverages
2. the possession or use of tobacco
3. the non-medical use of narcotics, hallucinogenic drugs or marijuana
4. gambling
5. social dancing, with the exception of some forms of folk and classical dancing. Before an activity consisting of any of these forms of dance is scheduled, it must be approved by the Dean of Students who will also authorize supervision of the event.

Areas of Personal Discretion. Students are expected to exercise discretion and wisdom in several other areas such as the choice of television programs, movies, theater, music, literature, and other art forms; the choice of non-college organizations with which they associate; intimacy in dating relationships; and modesty and cleanliness in dress and appearance. The dean or disciplinary board will counsel or take disciplinary action when there is irresponsible behavior in these areas.

(For more information on Covenant's standards of conduct, see the Student Handbook.)
Academic Information

Academic Program
Graduation Requirements For Baccalaureate Degrees

The Bachelor of Arts Degree. Upon recommendation of the faculty and approval by the Board of Trustees, the degree of Bachelor of Arts is conferred upon students who have met the following requirements for graduation:
1. A minimum of 126 credit units.
2. A grade point average of 2.0.
3. The fulfillment of all basic requirements.
4. At least 35 units in upper-division courses.
5. Compliance with all requirements in the major field, or major and minor fields.
6. No grades below C in the major and the minor.
7. A residence of one year and the completion of the last 30 units at Covenant College, with the exception that students in residence for more than one year may complete 9 of the 30 units at other approved colleges.
8. Completion of Undergraduate Program or other comprehensive examinations in the major.
9. The payment of all bills, the return of all equipment and library books, and the completion of all practical work.

The Bachelor of Music Degree. Upon recommendation of the faculty and approval of the Board of Trustees, a student may receive the degree of Bachelor of Music by meeting the following requirements for graduation:
1. A minimum of 126 credit units.
2. A grade-point average of 2.0.
3. Compliance with the requirements established by the department.
4. No grades below C in the major field.
5. A residence of one year and the completion of the last 30 units at Covenant College, with the exception that students in residence for more than one year may complete 9 of the 30 units at other approved colleges.
6. Completion of Undergraduate Program or other comprehensive examinations in the major.
7. The payment of all bills, the return of all equipment and library books, and the completion of all practical work.

Core Curriculum For Baccalaureate Degrees
Because the faculty believes that a liberal-arts education should be broad and inclusive, introducing the student to ideas and values of continuing concern and providing him with historical and spiritual perspectives on the complex problems of our society, the college has set a number of basic requirements for graduation, most of which are comprised in the core curriculum.

All students who are candidates for a baccalaureate degree, except those in certain special programs, are required to take courses, or demonstrate competency, in each of the following areas:

Interdisciplinary Studies
ID 31. Foundations of Modern Culture ...................... 4
(Normally taken fall of freshman year.)
ID 91. Philosophy of Culture ................................ 3
ID 92. Senior Integration Project ............................ 2
(91 normally taken spring of junior year, 92 taken fall or spring of senior year.)

Biblical Studies
Bib 111, 113 or 129. Old Testament ....................... 3
Bib 142 or 148. New Testament ....................... 3
(Normally taken fall and spring of freshman year.)
Bib 277-278. Christian Doctrine ..................... 6
(Normally taken sophomore year.)

Written Communication
Eng 11. English Composition ......................... 3
(Normally taken freshman year. Students who demonstrate superior writing skills may be allowed to by-pass this requirement.)

Analysis
Phil 22. Logic ............................................. 3
or any course in Mathematics for which student qualifies.
Students in teacher certification programs must take a mathematics course. (Students who score well on a mathematics test administered during registration week in the fall may be allowed to by-pass this requirement.)

History
His 102. Trans-Atlantic Civilization since 1763 ........ 4
(Normally taken spring of freshman year.)

Laboratory Science
Most students will take ........................................ 8
Nat Sci 105. Problems of Physical Science, and either
Nat Sci 106. Problems of Biological Science or
Students in science, nursing education, psychology and physical education will meet this requirement by taking courses in General Biology, Elements of Zoology, General Chemistry or General Physics (please check requirements of the specific major). Other students with special interests may also take these other courses.

Social Science
Soc 141. Principles of Sociology or
Psy 100. General Psychology ............................ 3.4
(Students are encouraged to meet this requirement by the end of the junior year.)

Arts
ID 34. Man's Creative Expression ..................... 4
(Students are encouraged to meet this requirement by the end of the junior year.)

Language
This requirement may be met by taking certain combinations of courses in three categories:
1. Elementary Foreign Language, Intermediate Foreign Language
2. Eng 205. Introduction to Linguistics. Phil 310. Philosophy and Language
3. Eng 210. The Classics in English Translation. Eng 211. European Literature in English Translation

The following combinations are allowed:
- A single foreign language through the intermediate level (14 units)
- Three semesters of the same foreign language plus one course from categories 2 or 3 (14 units)
- Elementary foreign language plus two courses from categories 2 and 3 (14 units)
Two semesters each of two elementary foreign languages (16 units)
One or two courses from category 2, plus two or three courses from category 3, for a total of four courses. One course from category 3 will usually be in the Classics (12 units)

NOTE: Certain major programs may specify language requirements, and, therefore, restrict the choice of combinations above. (Students who score well on a language test administered during registration week in the fall may be allowed to by-pass up to four semesters of foreign language.)

Physical Education
PE 51-52. Health and Physical Education ………………..2
PE 35. First Aid and Personal Safety …………………….1
(51-52 normally taken freshman year, 55 taken sophomore year. 51-52 not required for married students, military veterans or those excused for medical reasons.)

Courses in the major or minor used for core requirements may also be used for credit in the major or minor unless otherwise specified by the appropriate department.

Majors and Minors
Covenant College seeks to provide a liberal-arts education that includes not only the broad and inclusive core curriculum but areas of greater specialization as well. This is the reason that every student pursuing a baccalaureate degree must meet the requirements of a major-minor program or of a single major.

Major-Minor Program. This program involves a major of at least 24 hours and a minor of at least 12 hours, for a total of at least 36 hours of courses approved by the departments named as the major and minor subjects. A student must take at least 12 units of his major at Covenant College and at least 6 units of his minor. As an option, a student can concentrate entirely in a single major without any minor, but this major shall then include at least 36 hours. Variations in the requirements for the different major programs, in addition to the possibility of bypassing certain parts of the core, make the number of units available for free electives range from 0 up to 52.

Majors in natural sciences and in the music programs, as well as the programs in education and nursing, call for careful planning as early as the freshman year in order to assure fulfillment of all requirements and prerequisites. Be sure to see the specific requirements under the appropriate departments.

Major Programs
Applied Music
Biblical Studies and Missions
Biology
Business Administration
Chemistry
Elementary Education
English
History
Interdisciplinary Studies
Music
Music Education
Natural Science
(with concentrations in medical technology and pre-engineering studies)
Philosophy
Physical Education
Psychology
Sociology
Minor Programs
Art
Biblical Studies
Biology
Business Administration
Chemistry
Education
English
French
Greek
History
Mathematics
Missions
Music
Philosophy
Physical Education
Physics
Psychology
Sociology
Spanish

Special Programs. Courses preparatory to professional training are available in the following fields:

Medical Technology
Nursing Education
Pre-engineering (see Dual Degree Program under Engineering)
Pre-law (consult with the Registrar)
Pre-medicine (consult with Dr. Lothers)
Pre-ministerial
Teacher Education, Elementary and Secondary

Graduation Requirements for Associate Degrees

The Associate of Arts Degree. Upon recommendation of the faculty and approval by the Board of Trustees, the degree of Associate of Arts is conferred upon students who have met the following requirements for graduation:

1. A minimum of 65 credit units.
2. A grade-point average of 2.0.
3. The fulfillment of all basic requirements.
4. Compliance with all requirements in the area of concentration.
5. No marks below C in the area of concentration.
6. A residence of one year and the completion of the last 30 units at Covenant College.
7. The payment of all bills, the return of all equipment and library books, and the completion of all practical work.

Core Curriculum for Associate Degrees

Perspectives
ID 31. Foundations of Modern Culture ………………..4
Biblical Studies ………………………………………….6
Written Communication
Eng 11. English Composition

Laboratory Science
Science
(Nat Sci 105. Problems of Physical Science is preferred; the requirement may also be fulfilled with Nat Sci 106 or 108, Bio 111 or Chem 121.)

Social Science
Social Science
(Soc 141 or 241, Psy 100 or 244, or Edu 222.)

Arts
Arts
(ID 34. Man's Creative Expression preferred; the requirement may also be fulfilled with any 100 or 200 literature course or Art 111 or Mus 171.)

Physical Education
PE 51 or 52
PE 55. First Aid
Total core units

Area of Concentration
The specific requirements in the Area of Concentration are listed under the individual departments. Currently, associate degrees are offered in Biblical Studies and Basic Health Sciences. Please see Biblical Studies, Natural Science and Nursing Education.

The units in the Associate of Arts degree program are distributed as follows:
Core Curriculum
Area of Concentration
Elective Units
Total units

Summer Offerings
A variety of courses are offered by Covenant College during the summer months. A three week session immediately following commencement in May offers students the opportunity of earning three units of credit in a limited number of standard classroom courses, some of which meet core requirements. The Psychology Tour, a month long travel-study program, offers students six units of psychology credit. During this tour students visit many counseling centers, research centers and other institutions stretching as far west as California. Students may also earn credit by working as interns with a variety of organizations. Finally, a number of correspondence courses are offered during the summer.

These offerings, in which tuition costs are less than during the academic year, provide the opportunity for students to make up deficiencies, earn extra credit or take required units in order to lighten their loads during the regular semesters. Students from other colleges are also welcomed to these special summer courses.

Off-Campus Studies
Special arrangements have been made to enable Covenant College students to earn credit while studying off-campus in connection with L'Abri Fellowship in Switzerland (enrollment at L'Abri subject to availability of space at L'Abri), the American Institute of Holy Land Studies on Mount Zion, Jerusalem, Israel, Covenant Circle in Berkeley, California and the Study Abroad Program of Christian Colleges (SAPOCC) in France, Germany and Spain. Up to 12 semester units may be earned in connection with work at L'Abri or at Covenant Circle, and up to 16 semester units (24 quarter units) in the Holy Land. Ordinarily only juniors or second semester sophomores may apply, and certain qualifications must be met. Students may also receive up to three units of credit for work done in connection with a variety of summer service programs sponsored by Christian Training Inc. and World Presbyterian Missions. Details of each program, which vary, may be obtained from the Registrar. Application should be made well in advance of the term to be spent off campus.

Independent Study
When possible, independent study will be arranged for students with a cumulative grade point average of 3.00 or above who are approved for such study by their department chairman. Ordinarily such study will be in a student's major field and will involve a subject not otherwise offered at Covenant College. The student is expected to submit to the supervising faculty member an outline and a bibliography for the program he wishes to study. Further details may be obtained from the Registrar.

Private Study
Required courses, either core or major, not offered in a given semester, may be arranged on a private basis. Such an arrangement must be authorized by the Dean of the Faculty and the Registrar, and this authorization will only be granted when a student needs a course that will not be offered again before his expected date of graduation. Such situations may arise when (a) a student received a grade of F in a required course, (b) a student changed majors late in his college career or (c) a student transfers to Covenant College.

Credit Awarded by Examination
Please see page 5 for information concerning credit through the College Level Examination Program (CLEP).

Academic Standards
One of the criteria for the granting of the Bachelor of Arts, the Bachelor of Music and the Associate of Arts degrees is the satisfactory completion of required courses with a grade point average of 2.0 in all subjects.

The Credit and Grading System
A unit is the amount of credit given for attendance in class for a period of 50 minutes once a week throughout the semester.

A grade point is a measure of quality assigned to or withheld from units of credit according to the system of grades in force in the college. Beginning in January 1977, intermediate values are assigned to pluses and minuses.

Grades are assigned as follows:
A means SUPERIOR and carries 4 grade points per unit of credit.
B means GOOD and carries 3 grade points per unit of credit.
C means AVERAGE and carries 2 grade points per unit of credit.
D means PASSING but inferior, and carries 1 grade point per unit of credit.
F means FAILING and carries no grade point.
R means REPEAT and removes the previous mark and its effect on the cumulative grade-point average.
S means SATISFACTORY, and is given only as a mid-semester grade.
U means UNSATISFACTORY, and is given only as a mid-semester grade.
W means WITHDRAWN before the last day to drop a course.
WF means WITHDRAWN PASSING and indicates a satisfactory average at the time a course was dropped.
WF means WITHDRAWN FAILING and indicates an unsatisfactory average at the time a course was dropped, and carries no grade point.
INC means INCOMPLETE and indicates that part of the required work for the semester has not been completed. An incomplete is given only in cases of medical or other emergencies. Such work must be completed by the last day of the following semester or it will be recorded as Incomplete and averaged as a Failure.
Pass-Fail Option. Students with junior or senior standing and a cumulative grade point average of 2.70 or higher may take a total of twelve units toward graduation on a pass-fail basis in non-core courses and courses outside the departments of the student's major and minor. Students may not change from pass-fail to regular credit or from regular credit to pass-fail after the tenth day of classes in any semester. Units so earned carry credit for graduation but are not considered in computing the student's grade point average. The objective of the pass-fail option is to encourage students to take some courses they might not otherwise take.
For Education 422/424, Teaching Practicum: the following marking system is used: S—Satisfactory, U—Unsatisfactory (no credit and no repeating), I—Incomplete (to be removed upon successful completion of an additional period of student teaching).

Proficiency in English
Instructors in all departments of Covenant College expect the written work of students to be in clear and correct English and to show competence in the organization and development of ideas. Therefore any student earning an F in English composition will retake the course, and any student not making satisfactory progress toward a degree. (A student's grade-point average is computed by dividing the number of grade points earned by the number of units attempted.)

<table>
<thead>
<tr>
<th>Class</th>
<th>Grade Point Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>1.50</td>
</tr>
<tr>
<td>Sophomore</td>
<td>1.80</td>
</tr>
<tr>
<td>Junior</td>
<td>2.00</td>
</tr>
<tr>
<td>Senior</td>
<td>2.00</td>
</tr>
</tbody>
</table>

The exception will be the student who earns a 2.00 current grade point average or higher for two consecutive semesters. He will be released from his probationary status even though his cumulative grade point average may still be below the required minimum for his class. The "two semesters" refers to the fall and spring semesters and does not include summer session. A student with "F's" in two academic courses the same semester is placed on academic probation.

Students on academic probation may be asked to follow a program of seminars. This program is designed to assist the student to get the maximum benefit from his studies. The student must report to his Faculty Advisor at least once a month. He will follow a no-cut policy in all his courses, and his case will be reviewed on an individual basis by the faculty member involved in the particular course after consultation with the Student Development Office.

Students with cumulative grade point averages below the following averages will be placed on academic suspension:

<table>
<thead>
<tr>
<th>Class</th>
<th>Grade Point Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>First semester freshman</td>
<td>1.00</td>
</tr>
<tr>
<td>Second semester freshman</td>
<td>1.30</td>
</tr>
<tr>
<td>First semester sophomore</td>
<td>1.40</td>
</tr>
<tr>
<td>Second semester sophomore</td>
<td>1.50</td>
</tr>
<tr>
<td>First semester junior</td>
<td>1.60</td>
</tr>
<tr>
<td>Second semester junior</td>
<td>1.70</td>
</tr>
<tr>
<td>First semester senior</td>
<td>1.80</td>
</tr>
<tr>
<td>Second semester senior</td>
<td>1.90</td>
</tr>
</tbody>
</table>

A student placed on academic suspension may appeal his suspension in writing to the Academic Standards and Admissions Committees.

Eligibility for Extracurricular Activities
Students on academic or disciplinary probation may be restricted in their participation in extracurricular activities, including work. The student on probation has the responsibility for making an appointment with one of the members of the Student Development Office for the purpose of reviewing participation in extracurricular activities for that semester. This review must be accomplished within the first two weeks of the semester.

Class Absence and Tardiness
Each instructor is free and responsible to determine and enforce whatever policy he wishes concerning excessive absences in his course and will inform his students of such policy at the beginning of each semester. This policy will include provision for making up missed work. It is the student's responsibility to contact the instructor about such work, and the faculty member will exercise his right of judgment as to whether or not a penalty will be assessed and whether or not the work may be made up at all.

The Student Development Office will provide written statements for emergency absences and the nurse will write statements for cases of illness when requested by the student or the teacher. These statements are not excuses but are given to faculty members for their information.

Students should inform their instructors in advance of any school trips which will necessitate absence from class. Faculty members will each 15 days report the interruption of class attendance by any student receiving Veterans Administration educational benefits.
Classification of Students

Students who have at least 15 acceptable units of entrance credit are classified as FRESHMEN.

SOPHOMORES must have at least 26 semester units with a grade-point average of 1.5.

JUNIORS must have at least 58 semester units with a grade-point average of 1.8.

SENIORS must have at least 90 semester units with a grade-point average of 2.0.

Scholastic Honors

The Dean's List, which is announced at the close of each semester, contains the names of all students who have taken 12 or more hours with a grade-point average for the semester of 3.30, with no courses incomplete, and with no mark below C in any academic course.

Seniors who have been on the Dean's List each semester since entering college or whose cumulative grade-point average is 3.50 will be excused from most final examinations in their last academic semester. Students must be in residence for a minimum of 60 units before their last academic semester to qualify.

Students who maintain a grade-point average of 3.50 throughout their Covenant College course will be graduated cum laude. Those who maintain an average of 3.75 will be graduated magna cum laude. Those who maintain an average of 3.90 will be graduated summa cum laude. Students must be in residence for a minimum of sixty units (not including courses the student has taken Pass/Fail) to qualify for graduation honors.

Departmental Course Descriptions

Numbering of Courses

The first digit of a course number indicates the class level of students to whom it is open, with the exception of core courses, which are designated by two-digit numbers.

Courses numbered in the 100s are open to freshmen, those in the 200s are open to sophomores, and so forth. Permission to take sophomore courses may be granted to freshmen provided they have met the prerequisites.

Junior and senior courses (numbered in the 300s and 400s) are upper-division courses.

The college reserves the right to withdraw any course. Many courses listed in the catalog are offered in alternate years. The schedule of classes in any given semester will be issued prior to registration. Brackets [ ] enclosing a course title indicate a course not being offered during the current year.

It is not possible to announce at the publication date of this catalog all the courses (and their professors) which may be offered in the current year. Where possible, this information has been given.

Art

Requirements for Minor in Art

Art 111. Introduction to Art .................. 3
Art 301, 302. Art History .................. 6
Art Elective ........................................ 3

Courses in Art

111. Introduction to Art

Lecture and studio course designed to develop art knowledge and judgment through studies of historic and contemporary examples of painting, sculpture, architecture, industrial and commercial design and crafts. One hour lecture. Four hours studio. Three units. Mr. Kellogg.

201. Drawing

Studio course in basic drawing including experimentation with a variety of media. Four hours studio. Two units. Mr. Kellogg.

202. Watercolor Painting

Studio course in basic watercolor painting. Four hours studio. Two units. Mr. Kellogg. (Not offered 1978-79)

203. Printmaking I

Fundamental course in the basic relief printing processes involving studio work in linocut, woodcut and object prints. Four hours studio. Laboratory fee: $4.00. Two units. Mr. Kellogg. (Not offered 1978-79)

204. Printmaking II

Fundamental course in the art of serigraphy. Four hours studio. Laboratory fee: $4.00. Two units. Mr. Kellogg.
209. Ceramics
A studio course in basic ceramic pottery designed to develop artistic skills in making wheel-thrown pottery. Materials fee: $15.00; instructor’s fee: $35.00. Three units.

301. Art History I
Illustrated study of painting, sculpture and architecture from prehistoric times to the Italian Renaissance. (Offered alternate years, first semester.) Three units. Mr. Kellogg.

302. Art History II
Illustrated study of painting, sculpture and architecture from the Italian Renaissance to the present day. (Offered alternate years, second semester.) Three units. Mr. Kellogg.

303. Oil Painting I
A studio course designed as an introduction to the oil painting medium. Prerequisite for Oil Painting II. Six hours studio. Three units. Mr. Kellogg. (Not offered 1978-79)

304. Oil Painting II
A studio course with emphasis on composition in landscape, still life and figure painting. Prerequisite: Oil Painting I. Six hours studio. Three units. Mr. Kellogg. (Not offered 1978-79)

394. Art for Children and Adolescents
Essential techniques, methods and materials in classroom organization and the operational phases of an art program. A study of the elements of design and the organization of the basic elements. Required for elementary certification. Laboratory fee: $4.00. Mr. Kellogg.

Biblical Studies

Mr. Gilchrist with students.

Requirements for Major in Biblical Studies and Missions.

Concentration in Biblical Studies

Core Requirements (Details, including alternative courses, are given on page 11)

ID 31. Foundations of Modern Culture ........................................... 4
ID 91. Philosophy of Culture ..................................................... 3
ID 92. Senior Integration Project .................................................. 2
Bib 111, 113 or 129 Old Testament .............................................. 3
Bib 142 or 148. New Testament .................................................. 3
Bib 277-278. Christian Doctrine ............................................... 6
Eng 11. English Composition .................................................... 3
Phi 22. Logic or Mathematics ................................................... 3
His 102. Trans-Atlantic Civilization ............................................ 4
Laboratory Science sequence ................................................... 8
Soc 141. Principles of Sociology or Psy 100. General Psychology ........ 3 or 4
ID 34. Man's Creative Expression ............................................... 4
Language sequence (two years of Greek required for pre-seminarians; one year of Greek for non-pre-seminarians) ............................................. 14
PE 51-52. Health and Physical Education ...................................... 2
PE 55. First Aid and Personal Safety ........................................... 1

Major and Supporting Course Requirements

Bible “book study” courses (to be divided between the two testaments) .......... 9

272. Hermeneutics ..................................................................... 4
371. Ethics ................................................................................ 3
383. History of Christianity or 385. History of Dogma ......................... 3
376. Christian Apologetics ......................................................... 3
Mis 202. Theology of Missions ................................................... 3
Electives .................................................................................. 6

Pre-seminarians are strongly urged to take the following additional courses:

A course in Philosophy ................................................................ 3
Appropriate courses in Psychology and/or Sociology ....................... 6
Eng 222. Speech Communication or 304. Advanced Composition ........ 3

Requirements for Minor in Biblical Studies

272. Hermeneutics or 371. Ethics or 376. Christian Apologetics ............. 3 or 4
Bible “book study” courses ......................................................... 3
Elective in Missions .................................................................. 3

Requirements for Associate of Arts Degree in Biblical Studies

Core Requirements (For details, see page 12)

ID 31. Foundations of Modern Culture ........................................... 4
Bib 111, 113 or 129. Old Testament ............................................. 3
Bib 142 or 148. New Testament .................................................. 3
His 102. Trans-Atlantic Civilization .............................................. 4
Eng 11. English Composition .................................................... 3
Laboratory Science .................................................................... 4
Social Science ............................................................................ 3 or 4
Arts .................................................................................................. 3 or 4
PE 51 or 52. Health and Physical Education .................................... 1
PE 55. First Aid and Personal Safety ........................................... 1

Area of Concentration

Bib 277-278. Christian Doctrine ................................................. 6
Bib 272. Hermeneutics .............................................................. 4
Bib 376. Christian Apologetics or 380. Evangelism ............................ 3
Bib 383. History of Christianity or 385. History of Dogma .................. 3
Bib 327. Psalms or 334. Daniel and Revelation .................................. 3
Bible “book study” courses (to be divided between the two testaments) .... 6
Elective in Missions .................................................................. 3

Elective Units ......................................................................... 6 or 8
Some credit may be earned off campus by qualified students in connection with L’Abri Fellowship in Switzerland and with the American Institute of Holy Land Studies in Israel. See the Department Chairman or Registrar for details.

**Courses in Biblical and Theological Studies**

111. History of Israel

A course designed for the student who has little or no knowledge of the Old Testament. This course surveys Hebrew history beginning with Abraham and concluding with Malachi. Although the historical framework is of primary concern lectures will also emphasize Old Testament theological concepts as they are presented and developed in history. A ten page paper is required. Three units credit. Mr. Clark.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Instructor(s)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>113. Pentateuch</td>
<td>A comprehensive study of the Pentateuch with emphasis on content, the nature of the covenants and the history of redemption. A study of related doctrines as these are developed in context. Three units. Mr. Krabbendam. (Not offered 1978-79)</td>
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<tr>
<td>129. Prophets of Israel</td>
<td>A comprehensive study of the Old Testament books of prophecy with special attention given to the nature and task of the prophetic office and its place in and effect upon redemptive history. Open to students who give evidence of good knowledge of the history of Israel. Three units.</td>
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<tr>
<td>148. Pauline Epistles</td>
<td>A study of the background and theology of the Pauline Epistles. Lectures will examine both the history of the Inter-testamental Period, devoting special attention to developments of significance to the Pauline era, and the structure of Pauline Theology. Reading assignments will cover special introduction to the various Pauline Epistles. Three units. Mr. Hurley.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>272. Hermeneutics</td>
<td>A historical study of the ways in which the Church has interpreted her scriptures and a study of general hermeneutical principles with special attention drawn to the problem of the Kingdom and the hermeneutical situation that existed for the early Church. A paper is required. Four units credit. Mr. Krabbendam.</td>
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</tr>
<tr>
<td>311. History of Israel</td>
<td>The same course as 111 described previously, but designed for upper-division students who wish to take it as an elective. Extra reading assignments will be given. Three units. Mr. Clark.</td>
<td></td>
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</tr>
<tr>
<td>313. Pentateuch</td>
<td>The same course as 113 described above, but designed for upper-division students who wish to take it as an elective. Extra reading assignments will be given. Three units. Mr. Krabbendam. (Not offered 1978-79)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>315. Genesis</td>
<td>An analysis of the book, with specific reference to the Mesopotamian backgrounds of the patriarchs of Israel, the critical problems regarding origins, as well as the matters of authorship, date and purpose. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Clark or Mr. Gilchrist.</td>
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</tr>
</tbody>
</table>

[322. Deuteronomy]

A thorough study of the book comparing its background and form in the light of ancient international treaties, and showing how comprehensively it reveals the sovereign Lordship of God over his people in ancient times, with application to our own 20th century situation. The book of Deuteronomy is considered to be the most important for a complete understanding of the rest of the Old Testament. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Gilchrist. (Not offered 1978-79)

327. Psalms

A study of selected Psalms of the Old Testament scriptures, showing the variety of themes and discussing the moods of the authors as affected by their historical situation. Different forms of poetic expressions in the Psalms will be examined. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Gilchrist.

329. Prophets of Israel

The same course as 129 described previously, but designed for upper-division students who wish to take it as an elective. Extra reading assignments will be given. Three units.

[334. Daniel and Revelation]

A detailed study of the apocalyptic literature of the Bible, with comparisons to the same type of literature produced during the inter-testamental period, including the Dead Sea scrolls, and an examination of various interpretations as developed in recent years. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Gilchrist. (Not offered 1978-79)

342. Gospels and Acts

The same course as 142 described previously, but designed for upper-division students who wish to take it as an elective. Extra reading assignments will be given. Three units. Mr. Clark.

[346. John]

Study of the authorship, date, purpose, historical background and application of the message of John to modern life and thought with emphasis on doctrinal and ethical teaching. Pre-requisite, or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Cl. (Not offered 1978-79)

348. Pauline Epistles

The same course as 148 described previously, but designed for upper-division students who wish to take it as an elective. Extra reading assignments will be given. Three units. Mr. Hurley.

349. Romans

A study of the doctrinal, spiritual and ethical values in Romans, designed to give the students an understanding of the divine plan of salvation. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Krabbendam.

[355. Ephesians and Colossians]

Special emphasis will be placed on developing skills in Bible study methods as well as on the authenticity, authorship and content of the two epistles. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Anderson. (Not offered 1978-79)

[360. James]

An in-depth analysis of the structure and contents of the epistle of James. Special attention will be given to the distinctive elements
of James' teachings and their relationship to other authors in the New Testament. Prerequisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Krabbendam. (Not offered 1978-79)

[371. Ethics]
A historical survey of approaches to Christian ethics, an exegetically study of the normative, situational and relational aspects of Christian ethics and a study of Biblical Ethics in context with special emphasis on the Decalogue and the doctrine of sanctification. Concentration on the various sections may vary from year to year. Prerequisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Hurley. (Not offered 1978-79)

[376. Christian Apologetics]
A survey of various systems of Christian apologetics including study of anti-theistic theories. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Krabbendam. (Not offered 1978-79)

[380. Evangelism]
A study of the message and methods of evangelism, as well as the requirements for effectiveness. Special emphasis on field work. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Krabbendam. (Not offered 1978-79)

[383. History of Christianity]
A one semester historical survey of the life and thought of the Christian Church in its political and social environment. Attention will be focused on critical periods of the church's development such as in early formation within the Roman Empire, its role in Medieval civilization, the sixteenth-century reform, modern revival and the like. Course work will stress source reading and short reports. Three units. A fourth unit of credit may be earned by the writing of an additional paper. Mr. Voskuil. See History 311. (Not offered 1978-79)

385. History of Dogma
History of the development and formulation of major Christian dogmas from the early church to the present. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Young.

389. Seminar on Calvin's Institutes
A study of the theology of John Calvin as presented in his Institutes of the Christian Religion. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Clark.

399. Independent Study
See catalog, page 13, for requirements.

[430. Isaiah]
A study of the prophecy of Isaiah against its historical background with special consideration of the Messianic prophecies. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Gilchrist. (Not offered 1978-79)

451. I Corinthians
A comprehensive study of I Corinthians with special emphasis on Paul's approach to ethical problems arising in a Hellenistic-Jewish congregation. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Hurley.

452. II Corinthians
A comprehensive study of II Corinthians with special emphasis upon the principles of spiritual leadership set forth in this epistle. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Krabbendam. (Not offered 1978-79)

457. Hebrews
An analysis of the book as a whole, and a consideration of its theological teaching in relation to the fulfillment of the Old Testament types. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Anderson. (Not offered 1978-79)

457. Modern Theology
A research seminar including survey of post-Kantian theologians introducing students to their methodologies and systems of thought. Certain theologians such as Barth, Brunner, Bultmann, Niebuhr, Tillich and others, will be studies in some detail. Research projects and papers will be required. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Mr. Anderson. (Not offered 1978-79)

493. Biblical Studies Seminar
A course designed to provide opportunity to apply research methods and to engage in intensive study on biblical subjects under the supervision of one or more professors in the department. The subject matter will vary each year according to the particular interests and emphases of the professor or professors. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Staff.

495. Theological Studies Seminar
A course designed to provide opportunity to practice applying research methods and to engage in intensive study of theological subjects under the supervision of one or more professors in the department. The subject matter will vary each year according to the particular interests and emphases of the professor or professors. Pre-requisite or to be taken concurrently: 111 or 113 or 129, and 142 or 148, and 277-278. Three units. Staff. Note: For missions courses see page 34.

Biology

Requirements for Major in Biology

Core Requirements (Details, including alternative courses, are given on page 12)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID 31. Foundations of Modern Culture</td>
<td>4</td>
</tr>
<tr>
<td>ID 91. Philosophy of Culture</td>
<td>3</td>
</tr>
<tr>
<td>ID 92. Senior Integration Project</td>
<td>2</td>
</tr>
<tr>
<td>Bib 111, 113 or 129. Old Testament</td>
<td>3</td>
</tr>
</tbody>
</table>

Bib 142 or 148. New Testament....................3
Bib 277-278. Christian Doctrine..................6
Eng 11. English Composition........................3
His 102. Trans-Atlantic Civilization.............4
Soc 141. Principles of Sociology or Psy 100. General Psychology...................3 or 4
ID 34. Man's Creative Expression..................4
Language sequence......................................12-14
(Intermediate French or German required for those planning to go to graduate school)
PE 51-52. Health and Physical Education ........................................... 2
FE 35. First Aid and Personal Safety .................................................. 1

Major and Supporting Course Requirements*

Bio 111-112. General Biology ......................................................... 8
Bio 218. Ecology .............................................................................. 4
Bio 313. Genetics ............................................................................ 3
Bio 411. Current Concepts in Biology ............................................... 3
Bio Electives ..................................................................................... 12*

Mathematics through 142, Pre-calculus Mathematics (Math 145, Calculus I required for those planning to go to graduate school. Math 251, Elementary Statistical Methods is also strongly recommended)
Chem 121-122. General Chemistry ................................................... 8
Chem 323-324. Organic Chemistry ................................................... 8
Phy 131-132. General Physics ..............................................................

*Undergraduate Program Examination in Biology
*These requirements include enough units in chemistry for a chemistry minor. If an additional minor is desired the total number of units taken may exceed the 126 needed for graduation.

The biology major calls for early and extensive counseling of students in order that they may be properly informed of the requirements and aims of the program. A student entering this program will ordinarily have to make his decision earlier in his college career than is necessary for some of the other programs offered by the college.

Requirements for Minor in Biology

Bio 11-112. General Biology ............................................................. 8
Bio Electives ..................................................................................... 12*

*If the core requirement in laboratory science is met by an 8-unit sequence in a science other than biology this may be reduced to 8 units.

Requirements for Georgia Secondary School Certification

General Education
ID 31. Foundations of Modern Culture ............................................. 4
Bib 111, 113 or 129. Old Testament ............................................... 3
Bib 142 or 148. New Testament ...................................................... 3
Bib 277-278. Christian Doctrine ..................................................... 6
Eng 11. English Composition ............................................................

Language sequence .....................................................................
ID 34. Man's Creative Expression .....................................................
ID 91. Philosophy of Culture ............................................................
ID 92. Senior Integration Project .....................................................
Phy 131-132. General Physics ...........................................................
Psy 251. Elementary Statistical Methods .......................................... 8
His 102. Trans-Atlantic Civilization ............................................... 4
Social Science ...................................................................................
PE 51-52. Health and Physical Education ........................................ 2
PE 55. First Aid and Personal Safety ................................................ 1

Teaching Field
Bio 111-112. General Biology ............................................................. 8
Bio 218. Ecology .............................................................................. 4
Bio 313. Genetics ............................................................................ 4
Bio 411. Current Concepts in Biology ............................................... 3

*Math 142, Pre-calculus Mathematics ............................................. 3
Che 121-122. General Chemistry ................................................... 8

*Che 323-324. Organic Chemistry ................................................... 8

*recommended

Professional Education
Edu 221. Principles of Teaching and Learning .................................. 3

Edu 222. Educational Psychology ....................................................... 3
Edu 321. Structure of Knowledge ....................................................... 3
Edu 361. Identification and Education of Elementary
and Secondary Children with Special Needs .................................... 3
Edu 411. Preparation and Utilization of Curriculum
Materials ....................................................................................... 3
Edu 412/414. Designing Teaching/Learning Models ......................... 3
Edu 422/424. Teaching Practicum ..................................................... 8

Courses in Biology

Note: On-demand courses can be offered when five or more students desire them.

101. Elements of Zoology
A one-semester course designed for and limited primarily to Physical Education and Psychology majors. The cellular basis of life, organic biology, perpetuation of life and ecological problems will be discussed. A selected critique of evolution may also be presented. Three hours lecture. Three hours laboratory. Laboratory fee: $10.00. Four units. Mr. Wenger.

106. Problems of Biological Science
A survey of issues in modern biology, emphasizing views of origin and including such topics as genetic manipulation and production of “test tube babies.” The historical development of ideas and attitudes among modern scientists concerning origin will be traced. Creationist alternatives will be examined. Three hours lecture. Two hours laboratory. Laboratory fee: $10.00. Four units. Mr. Lothers.

111-112. General Biology
Basic principles of biology at molecular, cellular, organ system, organismic and community levels. Three hours lecture. Three hours laboratory. Laboratory fee: $15.00 per semester. Designed for science majors and pre-nursing, pre-medical and pre-dental students. Eight units. Staff.

[216. Human Anatomy]
The structure of the human body. Prerequisite: Biology 111. Three hours lecture. Three hours laboratory. Laboratory fee: $15.00. Four units. Mr. Wenger. (Not offered 1978-79)

217. Human Physiology
The functioning of the major systems of the body will be studied along with a sufficient background of anatomical concepts. Prerequisite: Biology 111. Three hours lecture. Two hours laboratory. Laboratory fee: $10.00. Four units. Mr. Wenger.

218. Ecology
Relations of organisms to the physical and biological conditions under which they live. Three hours lecture. Three hours laboratory. Pre-requisite: Biology 111-112 or equivalent. Laboratory fee: $10.00. Four units. Mr. Wenger.

302. Microbiology
Life histories, morphology, physiology, identification, culture techniques, industrial microbiology, control, pathology and immunity. Pre-requisite: Biology 111-112 or equivalent. Three hours lecture. Three hours laboratory. Laboratory fee: $15.00. Four units. Mr. Lothers. (Not offered 1978-79)

311. Comparative Anatomy
Classification and comparison of typical chordate animals with emphasis on the vertebrates. Prerequisite: Biology 111-112 or equivalent. Two hours lecture. Six hours laboratory. Laboratory fee: $20.00. Four units. (Not offered 1978-79)

312. Comparative Animal Physiology
A comparative study of functions of animal organ systems. Prerequisite: Biology 111-112 or equivalent. Three hours lecture. Three hours laboratory. Laboratory fee: $15.00. Four units. Mr. Wenger.
313. Genetics
A study of the principles that govern heredity. The course includes a consideration of the principles of Mendelian inheritance and an analysis of the underlying mechanics of heredity. Prerequisite: Biology 111-112 or equivalent. Three hours lecture. Two hours laboratory. Laboratory fee: $10.00. Mr. Lothers.

314. Embryology
Development of vertebrate animals. Prerequisite: Biology 111-112 or equivalent. Three hours lecture. Three hours laboratory. Laboratory fee: $10.00. Four units. Mr. Lothers. (Not offered 1978-79)

316. Taxonomy of Higher Plants
Principles of classification and identification of vascular plants with emphasis on flowering plants. Paleobotany and some biochemical systematics will be included. Laboratory fee: $10.00. Four units. Mr. Lothers.

317. Animal Histology and Microtechnique
Tissues and organs of vertebrates. Training in the preparation and interpretation of animal tissues for microscopical study. Prerequisite: Biology 111-112 or equivalent. Three hours lecture. Three hours laboratory. Laboratory fee: $10.00. Four units. Mr. Lothers.

318. Biology of Invertebrates
The study of invertebrate animals with emphasis on their structural, functional, ecological and behavioral adaptations. Phylogenetic theories are also discussed. Prerequisite: Biology 111-112 or equivalent. Three hours laboratory. Laboratory fee: $15.00. Four units. Mr. Wenger.

390. Special Topics in Biology
This course explores topics of current interest in the department, not covered in other courses. Topics might include ornithology, entomology, limnology, vertebrate natural history, plant physiology, nutrition, human genetics, and methods of biological research. Prerequisite: Biology 111-112 or equivalent. Repeatable. Two to four units. Staff. (Offered on demand)

411. Current Concepts in Biology
Historic development of current concepts with emphasis on the theory of evolution. Reports and discussion of the current literature. Coverage of areas in which the student may be weak, such as various biochemical topics and experimental design. Prerequisite: Four hours of 200 or 300 courses, preferably Genetics. Three hours lecture. Three units. Mr. Lothers. (Not offered 1978-79)

414 (214). Macroevolution and Microevolution
An examination of the theory of evolution including historical perspective, currently accepted mechanism, critical examination of the evidence and exploration of possible creationist alternatives. Students electing 414 will give one oral report. Those desiring to fulfill the laboratory science requirement with a course more challenging than 106 may take 214 plus lab from 106. Three units (four units with lab). Mr. Lothers. (Not offered 1978-79)

Business Administration

The objectives of this Department are to develop and maintain a progressive and innovative Christian undergraduate program in business administration. Specifically, it aims

(1) to prepare students who are interested in business and business management as a career,
(2) to develop in students an appreciation of what is involved in business, and a sense of the excitement that business offers,
(3) to draw attention to the interrelationships between business and other disciplines, including Biblical studies, law, sociology, psychology, economics, statistics, finance, accounting and management,
(4) to help students become keenly aware of, and sensitive to, both the great influence of business on society and the serious responsibility that business has to society.

Requirements for Major in Business Administration
Core Requirements (Details, including alternative courses, are given on page 12)

- ID 31. Foundations of Modern Culture .......... 4
- ID 91. Philosophy of Culture ................. 3
- ID 92. Senior Integration Project .......... 2
- Bib 111, 113 or 129. Old Testament .. 3
- Bib 142 or 148. New Testament ........... 3
- Bib 277-278. Christian Doctrine .......... 6
- Eng 11. English Composition .............. 3
- His 102. Trans-Atlantic Civilization ....... 4
- Laboratory Science sequence .......... 8
- Soc 141. Principles of Sociology or
  Psy 100. General Psychology .......... 3 or 4
- ID 34. Man's Creative Expression ........ 4
- Language sequence ................. 12-14

PE 51-52. Health and Physical Education .......... 2
PE 55. First Aid and Personal Safety .......... 1

Major and Supporting Course Requirements
Bus 100. Principles of Business .......... 3
Bus 203-204. Principles of Accounting .......... 6
Bus 301. Principles of Marketing .......... 3
Bus 302. Business Finance .......... 3
Bus 304. Business Law .......... 3
Bus 400. Business Policy (Senior Seminar) ..
Eco 201-203. Principles of Economics .......... 6
Eco 300. Money and Banking .......... 3
CS 101. Introduction to Computer Science .......... 3
CS 150. Introduction to Basic Programming .......... 3
Mathematics through 142. Pre-calculus Mathematics
Comprehensive examination in Business Administration

Requirements for Minor in Business Administration
Bus 203-204. Principles of Accounting .......... 6
Business Administration electives .......... 6

Courses in Business

100. Principles of Business
A study of the fundamental principles of business, organization, finance, banking, credit management, salesmanship and advertising. Required of all business majors and prerequisite to all business courses. Three units. Mr. McClintock.
203-204. Principles of Accounting

A study of the fundamental principles of accounting as they apply to modern business practices, including the theory of debit and credit, accounting records of various kinds, simple balance sheets and income statements. Six units.

[301. Principles of Marketing]

The study of consumer and industrial markets and the formulation of marketing policies and strategies relating to product, price, channels of distribution and promotion are stressed. The course seeks to explore fashion and life cycles, consumer behavior and legal and institutional environment of marketing. Prerequisite: Business 100. Three units. (Not offered 1978-79)

[302. Business Finance]

A survey of the general field of finance, including various types of business organization, capitalization, methods of obtaining capital; stock, bonds, mortgages, consolidation mergers, business failures and reorganization, and various types of promotions. Prerequisite: Business 100, 203-204. Three units. (Not offered 1978-79)

303. Business Statistics

Statistical methods applied to the collection, organization, analysis and interpretation of business and economic data, in order to produce an appropriate business decision. Prerequisite: Computer Science 100, 150; Business 100. Three units. Mr. McClintock.

304. Business Law

An introductory course in the applied principles of business law, based on a case study of contracts, negotiable instruments, agency, sales, bailments and the transfer of real and personal property by individuals, partnerships and corporations. Three units. Mr. McClintock.

[305. Principles of Investment]

Functions of investment, basic elements of investment, investment programs, problems of personal finances and the field of investment. Three units. (Not offered 1978-79)

306. Principles of Management

Contemporary concepts of management with an examination of the various presuppositions underlying the various theories. An analysis of the tasks of the business executive and his productive functions, scientific management and basic features of business administration. Prerequisite: Business 100. Three units. Mr. McClintock.

307. Intermediate Accounting

An exploration of the concepts, standards, and principles underlying financial reporting by the corporation, with major emphasis on the measurement, analysis, and interpretation of income and changes in financial position (funds flow). Prerequisite: Business 203-204. Three units.

400. Business Policy (Senior Seminar)

A seminar designed to probe the relationships of various disciplines in the solution of business and organizational problems. Attention will also be given to business structures, governmental policies, and international forces affecting the business organization and its practices. Prerequisite: Business 203-204, 301, 302, 303, 304, 306. Three units. Mr. McClintock.

[401. Marketing Research and Administration]

An analytic approach to the performance of marketing manage-
Requirements for Major in Chemistry

Core Requirements (Details, including alternative courses, are given on page 12)

- ID 31. Foundations of Modern Culture ......................... 4
- ID 91. Philosophy of Culture .................................. 3
- ID 92. Senior Integration Project ............................... 2
- Bib 111, 113 or 129. Old Testament .......................... 3
- Bib 142 or 148. New Testament ................................ 3
- Bib 277-278. Christian Doctrine .............................. 6
- Eng 11. English Composition .................................. 3
- His 102. Trans-Atlantic Civilization .......................... 4
- Soc 141. Principles of Sociology or
  Psy 100. General Psychology ................................ 3 or 4
- ID 34. Man's Creative Expression .............................. 4
- German through intermediate level ........................... 14
- PE 51-52. Health and Physical Education ..................... 2
- PE 55. First Aid and Personal Safety ........................ 1

Major and Supporting Course Requirements

- Che 121-122. General Chemistry ............................... 8
- Che 323-324. Organic Chemistry ............................... 8
- Che 325-326. Analytical Chemistry ............................ 8
- Che 425-426. Physical Chemistry .............................. 8
- Mathematics through 247. Calculus III ...................... A
- Phy 131-132. General Physics ................................ 8
- Phy 333. Principles of Electronics ............................ 3
- Undergraduate Program Examination in Chemistry
  *If a minor is desired this may be omitted

Entering freshmen who plan to major in chemistry should plan to take calculus the first year. It is recommended, therefore, that they present mathematics through trigonometry from high school.

The chemistry major calls for early and extensive counseling of students in order that they be properly informed of the requirements and aims of the program. A student entering this program will ordinarily have to make his decisions earlier in his college career than is necessary for some of the other programs offered by the college.

Requirements for Minor in Chemistry

- Che 121-122. General Chemistry ............................... 8
- Chemistry electives ............................................ 12*
  *If the core requirement in laboratory science is met by an 8-unit sequence in a science other than chemistry this may be reduced to 8 units.

Dual Degree Program with Georgia Institute of Technology

This five-year program leads to a B.A. from Covenant and a B.S. in Chemistry from Georgia Tech, the latter degree approved by the American Chemical Society. The program includes three years at Covenant College and two years at Georgia Institute of Technology. Candidates who follow the program outlined below are eligible to seek the degree of Bachelor of Science in Chemistry from the General College of Georgia Institute of Technology. In the case of highly qualified students the Georgia Institute of Technology degree may be at the master's level.

Requirements for Major in Natural Science Concentration in Chemistry

Core Requirements (Details, including alternative courses, are given on page 12)

- ID 31. Foundations of Modern Culture ......................... 4
- ID 91. Philosophy of Culture .................................. 3
- ID 92. Senior Integration Project ............................... 2
- Bib 111, 113 or 129. Old Testament .......................... 3
- Bib 142 or 148. New Testament ................................ 3
- Bib 277-278. Christian Doctrine .............................. 6
- Eng 11. English Composition .................................. 3
- His 102. Trans-Atlantic Civilization .......................... 4
- Soc 141. Principles of Sociology or
  Psy 100. General Psychology ................................ 3 or 4
- ID 34. Man's Creative Expression .............................. 4
- German through intermediate level ........................... 14
- PE 51-52. Health and Physical Education ..................... 2
- PE 55. First Aid and Personal Safety ........................ 1
- Social Science electives (to meet requirements of Georgia Institute of Technology) .................. 4 or 5
- English Literature ............................................. 3

Major and Supporting Course Requirements

- Che 121-122. General Chemistry ............................... 8
- Phy 131-132. General Physics ................................ 8
- Che 425. Physical Chemistry .................................. 4
- Che 323-324. Organic Chemistry ............................... 8
- Che 422. Advanced Organic Chemistry ......................... 4
- Physics elective .................................................. 3
- Mat 145-146. Calculus I, II .................................... 8
- Mat 247. Calculus III ........................................... 4

Requirements for Georgia Secondary School Certification

General Education

- ID 31. Foundations of Modern Culture ......................... 4
- Bib 111, 113 or 129. Old Testament ......................... 3
- Bib 142 or 148. New Testament ............................... 3
- Bib 277-278. Christian Doctrine .............................. 6
- Eng 11. English Composition .................................. 3
- Language sequence ............................................. 6
- ID 34. Man's Creative Expression .............................. 4
- ID 91. Philosophy of Culture .................................. 3
- ID 92. Senior Integration Project ............................... 2
- Phy 131-132. General Physics ................................ 8
- Mat 145. Calculus With Analytic Geometry I ................ 4
- His 102. Trans-Atlantic Civilization .......................... 4
- Social Science .................................................. 4 or 5
- PE 51-52. Health and Physical Education ..................... 2
- PE 55. First Aid and Personal Safety ........................ 1

Teaching Field

- Che 121-122. General Chemistry ............................... 8
Courses in Chemistry

121-122. General Chemistry
An introduction to the science of chemistry with special emphasis on fundamental chemical principles and their applications. Basic organic chemistry is covered during the second semester. Qualitative analytical procedures are included in the laboratory second semester. Two hours lecture. One hour recitation. Three hours laboratory. Laboratory fee: $15.00 per semester. Refundable breakage deposit: $10.00 per year. Eight units. Mr. Mehne.

323-324. Organic Chemistry
A study of the chemistry of carbon compounds. Methods of preparation and the characteristic properties and reactions of the important classes of organic compounds are considered. Reaction mechanisms and modern spectroscopic techniques are stressed. Prerequisite: Chemistry 121-122. Three hours lecture. Three hours laboratory. Laboratory fee: $15.00 per semester. Refundable breakage deposit: $20.00 per year. Eight units. Mr. Donaldson.

325-326. Analytical Chemistry
Coverage of the principles and applications of various analytical methods. Traditional volumetric and gravimetric techniques are treated first, followed by a study of modern instrumental techniques. Prerequisite: Chemistry 121-122. Two hours lecture. Six hours laboratory. Laboratory fee: $15.00 per semester. Refundable breakage deposit: $10.00 per year. Eight units. Mr. Mehne. (Offered alternate years)

422. Advanced Organic Chemistry
An intensive study of selected topics in organic chemistry. Laboratory work consists of purification and systematic identification of organic compounds. Prerequisite: Chemistry 323-324. Two hours lecture. Six hours laboratory. Laboratory fee: $15.00. Refundable breakage deposit: $10.00 per year. Four units. Mr. Donaldson. (Offered on demand)

423. Biochemistry
The study of the chemistry of living organisms and life processes, including the chemistry of fats, carbohydrates, proteins, vitamins and hormones. Prerequisite: Chemistry 323-324. Three hours lecture. Three hours laboratory in alternate weeks. Laboratory fee: $15.00. Refundable breakage deposit: $10.00 per year. Four units. (Offered on demand)

425-426. Physical Chemistry
A study of the gaseous, liquid and solid states, solutions, elementary thermo-dynamics, chemical equilibria, electrochemistry, chemical kinetics and quantum mechanics. Prerequisite: Chemistry 325-326, Physics 131-132, Mathematics 145-146 or consent of instructor. Three hours lecture. Three hours laboratory in alternate weeks. Laboratory fee: $15.00 per semester. Refundable breakage deposit: $10.00 per year. Eight units. Mr. Mehne. (Not offered 1978-79)

Computer Science

Courses in Computer Science

100. Introduction to Computer Science
An introduction to modern computer systems, their applications and effects on society. The student is introduced to the structure of computer systems, the language of computer science, programming languages, artificial intelligence, hardware, software, man-machine interactions, power and control and the history and philosophy of computer science. Applications to the Christian community will also be examined. Three units.

150. Introduction to Basic Programming
An introduction to computer programming using the basic language. The student learns to write and execute programs for applications in several disciplines. Topics covered include the structure and logic of the basic language, flowcharting and applications of the basic language. The student also compares two computer systems, examining the differences present when using them to execute a basic program. Laboratory fee: to be announced. Three units.

Economics

See Business Administration
**Education**

**Requirements for Major in Elementary Education**  
(See Teacher Education Program.)

**Requirements for Non-Teaching Minor in Education**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Edu 221. Principles of Teaching and Learning</td>
<td>3</td>
</tr>
<tr>
<td>Edu 222. Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Edu 321. Structure of Knowledge</td>
<td>3</td>
</tr>
</tbody>
</table>

**Requirements for Teaching Minor in Education**  
(See Teacher Education Program.)

**Courses in Education**  
(See Teacher Education Section.)

**Engineering**

In conjunction with Georgia Institute of Technology, Covenant College offers a dual degree program in engineering. The program includes three years at Covenant College and two years at Georgia Institute of Technology. Candidates who follow the program outlined below are eligible to seek any of the following degrees from the Engineering College of Georgia Institute of Technology:

- Bachelor of Aerospace Engineering
- Bachelor of Ceramic Engineering
- Bachelor of Chemical Engineering
- Bachelor of Civil Engineering
- Bachelor of Electrical Engineering
- Bachelor of Engineering Economic Systems
- Bachelor of Engineering Science
- Bachelor of Industrial Engineering
- Bachelor of Mechanical Engineering
- Bachelor of Nuclear Engineering
- Bachelor of Science in Textile Chemistry
- Bachelor of Science in Textiles
- Bachelor of Textile Engineering
- Bachelor of Science (Health Systems)

In the case of highly qualified students the Georgia Institute of Technology degree may be at the master’s level.

**Requirements for Major in Natural Science Concentration in Pre-engineering Studies**

**Core Requirements (Details, including alternative courses, are given on page 12)**

- ID 31. Foundations of Modern Culture ............... 4
- ID 91. Philosophy of Culture .......................... 3
- ID 92. Senior Integration Project ........................ 2
- Bib 111, 113 or 129, Old Testament ..................... 3
- Bib 142 or 148, New Testament .............................. 3
- Bib 277-278, Christian Doctrine ........................... 6
- Eng 11, English Composition .............................. 3
- His 102, Trans-Atlantic Civilization .................... 4
- Soc 141, Principles of Sociology or 
  Psy 100, General Psychology .............................. 3 or 4
- ID 34, Man’s Creative Expression ........................ 4
- Language sequence ......................................... 6-8
- PE 51-52, Health and Physical Education ............... 2
- PE 55, First Aid and Personal Safety ...................... 1
- Social Science electives (to meet degree requirements of Georgia Institute of Technology) ..................... 4 or 5

**Major and Supporting Course Requirements**

- Che 121-122, General Chemistry .......................... 8
- Phy 131-132, General Physics .............................. 8
- Phy 332, Analytical Mechanics .............................. 3
- Physics elective ............................................. 3
- Mat 145-146, Calculus I, II ................................. 8
- Mat 247, Calculus III ........................................ 4
- Mat 348, Elementary Differential Equations ............. 3
- Physics elective ............................................. 3
- Social Science electives (to meet degree requirements of Georgia Institute of Technology) ..................... 4 or 5

Note: A minimum of 95 units must be taken before enrolling at Georgia Institute of Technology. The above program must be supplemented, therefore, by two to four additional units of electives.

For additional information, see Mr. Keister.

**English**

The Department of English offers students courses exploring aspects of human language: language as an art form (literature), language as a medium of communication (composition, oral rhetoric) and language as part of the God-given structure of reality (linguistics). In its courses the department seeks to develop a Christian awareness of the issues and problems in each area of language use and to work toward Christian answers.

Students major in English to prepare themselves for teaching English and language arts in elementary and secondary schools, for entering jobs where the ability to use language well is necessary (journalism, advertising, editing, public relations), for undertaking graduate study in literature and related fields, or for entering professional schools such as seminaries or law schools or simply to enrich their own lives. Students planning to go on to graduate school should consider taking the 36-hour major; those planning to enter professional schools should choose minors carefully.

**Requirements for Major in English**

**Core Requirements (Details, including alternative courses, are given on page 12)**

- ID 31. Foundations of Modern Culture ..................... 4
- ID 91. Philosophy of Culture .............................. 3
- ID 92. Senior Integration Project .......................... 2
- Bib 111, 113 or 129, Old Testament ........................ 3
- Bib 142 or 148, New Testament .............................. 3
- Bib 277-278, Christian Doctrine ............................. 6
- Phi 22, Logic or Mathematics ............................... 3
- His 102, Trans-Atlantic Civilization ........................ 4
- Laboratory Science sequence .............................. 8
- Soc 141, Principles of Sociology or 
  Psy 100, General Psychology .............................. 3 or 4
- ID 34, Man’s Creative Expression .......................... 4
Language sequence ............................................ 12-14
(A good reading knowledge of at least one modern foreign language, preferably French or German, is recommended)
PE 51-52. Health and Physical Education ............... 2
PE 55. First Aid and Personal Safety...................... 1

Major and Supporting Course Requirements, 36-Unit Major
Two courses from Eng 201, 202, 203 .......................... 6-7
Eng 235. Introduction to Linguistics ........................ 3
Eng 245, 252, 258, 302, or 304 .............................. 3
Eng 310, 317, 322, or 333 .................................. 3
Eng 334, 341, or 352 ........................................ 3
Eng 418. Shakespeare ....................................... 3
Eng 406 or 423 ................................................. 3
English electives (200 level or above) must include a course in American literature if 203 has not been taken; (may include literature in translation) ....................... 11-12*
Undergraduate Assessment Program Examination in English *If a minor is desired, this may be reduced to 6 units, for a 30-unit major in English.

Requirements for Minor in English
English 201, 202, or 203 ..................................... 3-4
Eng 235 or 304 ................................................ 3
Eng 310, 317, 333, 334, 341, 352, or 418 ................. 3
English electives, (200-level or above) should include 203 or 307 if 203 has not previously been taken .................. 6

Requirements for Georgia Secondary School Certification
General Education
ID 31. Foundations of Modern Culture .................... 4

Courses in English
Courses in Writing, Speech and Drama
11. English Composition
The student's goal in this course is to learn to write effective expository prose. There will be experiences for increasing language awareness, for building a fund of ideas, for organizing thought, for writing and re-writing, for research, for analyzing and evaluating, and for sharing writing; Fall and Spring semesters. Three units. Mr. Hekman, Mr. Hesselink.
245. Journalism
An introductory course, designed to help students acquire and practice writing skills, and to encourage the development of a Christian perspective on news gathering and news writing. Spring semester. Three units. Mr. Hekman.
252. Speech Communication
An introduction to interpersonal communications and basic techniques of effective public speaking, prepared and extemporaneous speaking, dialog and discussion. Spring semester. Three units. Mr. Hekman.
258. Drama Workshop
An exploration into the methods, goals, and values of creative dramatics for children. Students will read, view films, perform, and do a project. Fall semester. Three units. Mr. Hekman.
302. Advanced Writing
A course in various forms of non-expository composition. Prerequisites: Exemption from English Composition, or English Composition with a grade of B or higher and special permission of the instructor. Three units. Mr. Barker. (Not offered 1978-79)
304. Advanced Composition
A course in the analysis and practice of prose composition. The emphasis will be on expository writing, such as the informal and formal essay, reviews and critiques. Enrollment limited to 15 stu-
Courses in Language and Literature

201. Survey of English Literature I
A chronological study of English literature from the beginnings to 1800, with an emphasis on the genres of poetry and drama. Students will also learn ways of studying and writing about literature. Fall semester. Three units. Mr. Hesselink.

202. Survey of English Literature II
A chronological study of English literature from 1800 to the present, with an emphasis on poetry and prose fiction. Students will continue to study ways of approaching and writing about literature. Prerequisite: English 201 or permission of the instructor. Spring semester. Three units. Mr. Hesselink.

203. American Literature
A survey of American literature from colonial times to the present, with special emphasis on nineteenth-century works. This literature will be studied in terms of cultural, social, and historical events and trends that helped to shape it. Fall semester. Four units. Mr. Hekman.

[210. Classical Literature]
A study of ancient Greek and Roman literature in English translation, with an emphasis on the epic and the drama. Attention will be given to the development of Greek and Roman thought. A language-option course. Four units. (Not offered 1978-79)

[211. European Literature in English Translation]
The study of works from European literature since the classical era. The emphasis may be on a single major author (e.g., Dante, Cervantes, Goethe), on a national literature (French, Russian, etc.), on a particular form of literature (drama, novel, romance, etc.), or on a particular idea (the image of man, concepts of society, etc.). A language-option course. Three units. (Not offered 1978-79)

220. Modern Drama
A study of the European, English, and American masterpieces of modern drama from Ibsen to the present, and of the movements they represent. Language-option credit may be arranged with the instructor. Spring semester. Four units. Mr. Hesselink.

235. Introduction to Linguistics
An introduction to modern linguistics, especially structural and transformational-generative grammar. The course will also acquaint the student with geographic and social varieties of language, as well as the relation of language to other fields, such as education and sociology. Some attention will be given to the historical development of the English language. A language-option course. Fall semester. Three units. Mr. Hesselink.

[307. The American Novel]
Critical reading of representative American novels from Hawthorne to the present. Prerequisite: English 201 or 202, or permission of the instructor. Three units. (Not offered 1978-79)

308. The English Novel
Critical studies of a limited number of works by the major writers of English fiction. Spring semester. Three units.

[310. The Medieval Literature of England]
A study, mainly in modern English translations, of the medieval literature of England, exclusive of Chaucer. Prerequisite: English 201 or 202, or permission of the instructor. Three units. Mr. Hesselink. (Not offered 1978-79)

[317. Spenser and the Sixteenth Century]
A study of the works of several important writers of the period, including Spenser. Prerequisite: English 201 or 202, or permission of the instructor. Three units. (Not offered 1978-79)

[322. The Seventeenth Century]
A study of two or more of the important writers or works of the period, exclusive of Milton (for example, Donne, Jonson, Herbert, Herrick and Dryden; or The Anatomy of Melancholy, Religio Medici and The Rule and Exercises of Holy Dying). Prerequisite: English 201 or 202, or permission of the instructor. Spring semester. Three units. (Not offered 1978-79)

333. The Eighteenth Century
A study of several of the important writers or works of the period (for example, Swift, Pope and Johnson; or Boswell's Life of Johnson and Sterne's Tristram Shandy). Prerequisite English 201 or 202, or permission of the instructor. Spring semester. Three units. Mr. Hesselink.

[334. The Romantic Movement]
A study of the English Romantic writers from Blake to Keats. Prerequisite: English 201 or 202, or permission of the instructor. Three units. Mr. Hekman. (Not offered 1978-79)

[341. The Victorian Era]
A study of major English writers from 1830 to the end of the century. Prerequisite: English 201 or 202, or permission of the instructor. Three units. (Not offered 1978-79)

352. Twentieth Century Literature
A study of representative works of poetry, drama and short fiction in English and American literature from 1900 to the present. Prerequisite: English 201 or 202, or permission of the instructor. Fall semester. Three units. Mr. Hesselink.

366. Literature for Children and Adolescents
A course designed to explore the vast resources in children's literature and to show appropriate ways of making literature a delight at any age. May be taken for credit in either English or education. Spring semester. Three units. Mr. Hekman.

[367. Applied English Workshop]
This course is designed for teachers of English in grades 7-12. Participants will be active in workshop sessions in these areas: literature, language, composition and the mass media. May be taken for credit in either English or education. Prerequisite: Permission of the instructor. Three units. (Not offered 1978-79)

399. Independent Study
A course designed for the student who has demonstrated potential ability for independent study. It allows him to choose and to explore, under the guidance of an instructor, an area of literature or language not fully covered in available courses. Credit to be determined in each case; maximum credit, three units per semester.

401. Special Topics in English
This course offers opportunities for concentration in various topics of interest within the discipline. The topic for 1978-79 will be the history of English drama; other topics that may be offered include literary criticism, American studies, advanced linguistics, and the sociology of mass media. Prerequisite: open to English majors and minors with junior or senior standing, to others only with the permission of the instructors. Spring semester. Three or four units. Mr. Hesselink and staff.

406. Chaucer
A study of Chaucer's art, with some attention to the social and literary backgrounds of his work. Prerequisite: English 201 or 202, or permission of the instructor. Fall semester. Three units. Mr. Barker.
A study of Shakespeare's dramatic art. Prerequisite: English 201 or 202, or permission of the instructor. Three units. (Not offered 1978-79)

[423. Milton]

A study of Milton's English poetry, with some attention to his prose works. Prerequisite: English 201 or 202, or permission of the instructor. Three units. (Not offered 1978-79)

Foreign Language

See French, German, Greek, Spanish

French

[61-62. Elementary French]

An introduction of the French language, with extensive practice in pronunciation, simple conversation, aural comprehension, fundamentals of grammar and reading short passages. Basic sentence patterns and grammatical principles will be reinforced through a great many oral drills and written workbook exercises. Eight units. Mr. Shaw. (Not offered 1978-79)

63-64. Intermediate French

Continued development of skills in speaking, understanding, reading, and writing French, through an extensive review of grammar, selected readings in French literature and culture, conversational practice, vocabulary development and guided writing of compositions. Six units. Mr. Shaw.

[331. Advanced French Grammar and Composition]

A study of fine points of grammar, with extensive writing practice on informal and formal topics, to develop facility in expressing oneself correctly in written form. Prerequisite: French 63-64 or equivalent. Three units. Mr. Shaw. (Not offered 1978-79)

332. French Phonetics and Diction

A detailed study of fine points of pronunciation with extensive oral practice, to develop a more correct pronunciation and accent. Prerequisite or to be taken concurrently: French 63-64 or equivalent. Three units. Mr. Shaw.

333. Advanced French Conversation and Reading Practice

Extensive conversational and vocabulary practice on a wide variety of topics, correlated with readings in current magazines and newspapers, to develop greater fluency and correctness in reading and in expressing oneself orally. Prerequisite or to be taken concurrently: French 63-64 or equivalent. Three units. Mr. Shaw.

[334. Introduction to French Literature]

Reading of a selected series of literary works from a wide range of periods and authors, to begin to develop enjoyment in reading literature in the original language and appreciation for the richness and variety of the literature. Prerequisite: French 63-64 or equivalent. Three units. Mr. Shaw. (Not offered 1978-79)
German

Core Requirement in Language
The options for fulfilling the language requirement are indicated in the description of the core curriculum on page 11. The language requirements for specific major programs should be checked with the department involved.

All students who have already begun German in high school and who wish to fulfill the foreign language requirement in German will be placed by an examination given at the beginning of the semester.

Courses in German
71-72. Elementary German
An introduction to the German language, with extensive practice in pronunciation, simple conversation, aural comprehension, fundamentals of grammar and reading short passages. Basic sentence patterns and grammatical principles will be reinforced through a great many oral and tape-recorded drills. Eight units. Mr. Dameron.

73-74. Intermediate German
Continued development of skills in speaking, understanding, reading, and writing German, through an extensive review of grammar, selected readings in German short stories, conversational practice, vocabulary development and guided writing of compositions. Six units. Mr. Shaw.

Greek

Core Requirement in Language
The options for fulfilling the language requirement are indicated in the description of the core curriculum on page 11. The language requirements for specific major programs should be checked with the department involved.

Requirements for Minor in Greek
Gr 301. Classical Greek .................................................. 3
Gr 310. Advanced Syntactical Studies .................................. 3
Gr 311. Translation of the English Bible ........................... 3
Gr 320. Advanced Lexical Studies .................................... 3

Courses in Greek
75-76. Elementary Greek
An introduction to Ancient Greek with an emphasis on word formation, vocabulary, and basic syntax. Materials from both the Classical and Koine periods are studied. Eight units. Mr. Mawhinney.

77-78. Intermediate Greek
Continued study of New Testament Greek. Emphasis is placed on vocabulary and syntax. Six units. Mr. Mawhinney.

[301. Classical Greek]
Readings in the fifth-century dramatists. Prerequisite: Greek 77-78. Three units. Mr. Mawhinney. (Not offered 1978-79)

310. Advanced Syntactical Studies
A detailed study of selected portions of text from the Greek New Testament, with an emphasis on the method of investigating syntactical problems. Prerequisite: Greek 77-78. Three units. Mr. Mawhinney.

311. Translation of the English Bible
This course consists of: (1) a survey of the history of the translation of the English Bible and (2) a detailed study of the principles and techniques of translation by means of an evaluation of two versions. Prerequisite: Greek 77-78. Three units. Mr. Mawhinney.

[320. Advanced Lexical Studies]
This course consists of: (1) a survey of the various approaches to Greek lexicography and (2) a detailed study of selected works. Prerequisite: Greek 77-78. Three units. Mr. Mawhinney. (Not offered 1978-79)

Health Professions

See Natural Science: Requirements for Associate of Arts Degree in Basic Health Sciences
History

Requirements for Major in History

Core Requirements (Details, including alternative courses, are given on page 12)

- ID 31. Foundations of Modern Culture ........................................... 4
- ID 91. Philosophy of Culture ......................................................... 3
- ID 92. Senior Integration Project ............................................... 2*
- Mathematics ............................................................................. 4
- His 102. Trans-Atlantic Civilization ........................................... 4
- Social Science ......................................................................... 8
- PE 51-52. Health and Physical Education .................................. 2
- PE 55. First Aid and Personal Safety ........................................ 1

*History majors who receive a grade of B or better on a research paper written for His 301 may be excused from ID 92.

Major and Supporting Course Requirements

- His 102. Trans-Atlantic Civilization ........................................... 4
- His 211, 212. History of the United States .................................. 6
- His 300, 301. Historiography and Research .............................. 5
- His 307. Europe, 1789 to the Present ......................................... 5
- History electives (at least one seminar is recommended) .......... 15*
- Undergraduate Program Examination in History

*For majors without a minor, 24 units are required.

Requirements for Minor in History

- His 212. History of the United States ........................................ 3
- History electives (300-level or above) ....................................... 9

Requirements for Georgia Secondary School Certification

General Education

- ID 31. Foundations of Modern Culture ........................................... 4
- Bib 111, 113 or 129. Old Testament .......................................... 3
- Bib 142 or 148. New Testament ................................................ 3
- Bib 277-278. Christian Doctrine ............................................ 6
- Eng 11. English Composition .................................................... 8
- Language sequence ................................................................ 6

ID 34. Man’s Creative Expression ............................................... 4
ID 91. Philosophy of Culture ......................................................... 3
ID 92. Senior Integration Project ............................................... 2*
Laboratory Science sequence ....................................................... 8
Mathematics ............................................................................. 4
His 102. Trans-Atlantic Civilization ........................................... 4
Social Science ......................................................................... 8
PE 51-52. Health and Physical Education .................................. 2
PE 55. First Aid and Personal Safety ........................................ 1

*History majors who receive a grade of B or better on a research paper written for His 301 may be excused from ID 92.

Teaching Field

History courses (including work in ancient, medieval, modern, United States, Georgia, historiography and historical research) ........................................ 27
Economics, Geography, or Political Science ................................ 3

Professional Education

- Edu 221. Principles of Teaching and Learning .................................. 3
- Edu 222. Educational Psychology .................................................. 3
- Edu 321. Structure of Knowledge .................................................. 3
- Edu 361. Identification and Education of Elementary and
  Secondary Children with Special Needs ...................................... 3
- Edu 422/424. Teaching Practicum .................................................. 8
- Elective .................................................................................. 9

Courses in History

102. Trans-Atlantic Civilization

A thematic study of the history of Europe and the United States since the American and French Revolutions. A comparative study, this course will focus on common themes within the similar yet distinct cultural contexts of Europe and America. During the course methodological questions of historical fact and interpretation in their relationship to the Christian faith will also be considered. Four units. Mr. Austin and Mr. Voskuil.

[204. American Government]

A study of the organization, functions, and services of the national government, with special consideration of its constitutional basis and current issues. Three units. Mr. Austin. (Not offered 1978-79)

[211, 212. History of the United States]

A synthesis of the political, social, cultural, and religious phases of American life. First semester to 1865; second semester since 1865. (These courses are offered every alternate year on campus and every summer by correspondence. The on-campus offerings emphasize an interpretive approach, whereas the summer correspondence courses are more factually oriented. Students should ascertain which approach would be more beneficial and select the appropriate offering.) Open to freshmen. Three units each semester. Mr. Austin. (Not offered 1978-79)

213. History of Georgia

A brief survey of Georgia history. Designed to meet Georgia teacher certification requirements. Two units. Mr. Austin.

300, 301. Historiography and Research

A course designed for history majors in their junior year. The student is exposed to the problems of historiography with special attention given to the Christian approach to and interpretation of history. The course includes familiarization with the tools and techniques of historical research and requires their application in the form of a written presentation. Required of history majors and interdisciplinary majors who select additional hours in history. Three units first semester; two units second semester. Mr. Austin and Mr. Voskuil.

Studying in Anna Emma Kresge Library.
302. England Since 1485
A study of the formation of Anglicanism in its Tudor form, the struggle between the Stuarts and Parliament and the gradual secularization of Anglicanism in the eighteenth century. Victorian England is studied as a transition period to the twentieth century social democracy. The stress falls on constitutional, ecclesiastical, social and intellectual developments. Prerequisite: History 102 or permission of the instructor. Three units. Mr. Voskuil.

303. Ancient Greece and Rome
A study of Bronze Age Greece, the rise and formation of the Greek city-state, the impact of Alexander the Great, and the institutions of the Hellenistic world. Attention will then shift to Rome, to the rise and development of the Republic, the transition to Empire and its eventual disintegration. An attempt will be made to understand the character of classical humanism as it came to be expressed in the early Roman empire. Three units. Mr. Voskuil. (Not offered 1978-79)

304. Medieval Civilization
The medieval world is studied as a civilization in its own right, having its own particular values and institutional structure. The course begins with the Germanic invasions of the western Roman empire and ends with the decline of the church in the fourteenth century. Attention will focus on the development of the concept of a united Christian society and the accompanying cultural differentiation. Three units. Mr. Voskuil.

305. The History of Political Theory
A one semester study of the major political theorists of the West, for example, Plato, Aristotle, Cicero, Augustine, Aquinas, Machiavelli, Bodin, Locke, Rousseau, J. S. Mill, Burke, Marx. Representative figures will be studied rather than the entire tradition of western theory. Considerable attention will be devoted to the natural law tradition. Three units. A fourth unit of credit may be earned by the writing of an additional paper. Mr. Voskuil.

306. Europe, 1400-1789
A topical study of European history. The emphasis will fall on trans-national developments such as secular humanism, church reform, state absolutism, the rise of science, Enlightenment rationalism, and the like. Prerequisite: History 102 or the permission of the instructor. Three units. Mr. Voskuil. (Not offered 1978-79)

307. Europe, 1789 to the Present
A continuation of the type of study outlined in History 306. Prerequisite: History 102 or permission of the instructor. Three units. Mr. Voskuil.

308. Modern Russia
A study of Russia since Peter the Great. Emphasis will be on the structural character and the ideals of Tsarist Russia, the growing revolutionary movement and the development of Marxist society. Conducted largely as a reading tutorial. Prerequisite: History 102 or permission of the instructor. Three units. Mr. Voskuil.

309. Modern Germany
A study of the major themes of German history since the Protestant Reformation. The study will focus largely on those aspects of German history which will help the student to understand Germany's role in the twentieth century. Conducted largely as a reading tutorial. Prerequisite: History 102 or permission of the instructor. Three units. Mr. Voskuil. (Not offered 1978-79)

310. The Church's Pre-Reformation Mission to the Far East
A study of the eastward advance of missionaries of the early church of the East (Nestorians) and medieval churches will be made, with special attention given to the social, cultural, and historic situations of the Oriental civilizations penetrated. The motivation, methodology, related doctrines, and results of each effort will be evaluated. Three units. Open to freshman with permission of the instructor. (Not offered 1978-79)

311. History of Christianity
A one semester historical survey of the life and thought of the Christian Church in its political and social environment. Attention will be focused on critical periods of the church's development such as its early formation within the Roman Empire, its role in medieval civilization, the sixteenth-century reform, modern revivals, and the like. Course work will stress source reading and short reports. Three units. A fourth unit of credit may be earned by the writing of an additional paper. Mr. Voskuil. (Not offered 1978-79)

312. Colonial America
A study of early American history with emphasis on the European settlement of North America and the social, political, and cultural development of the American colonies to 1763. Prerequisite: History 211 or permission of the instructor. Three units. Mr. Austin. (Not offered 1978-79)

313. American Revolution
A detailed analysis of the period from 1763 to 1783. Attention will be given to the political and military events leading up to and including the Revolutionary War, with emphasis placed upon the various interpretations. Three units. Mr. Austin. (Not offered 1978-79)

314. Recent American History
An in-depth study of twentieth century U.S. history with stress upon domestic problems and programs. Prerequisite: History 212 or permission of the instructor. Three units. Mr. Austin. (Not offered 1978-79)

315. U.S. Constitutional History
A study of the origins of the political theory expressed in the constitution with special attention given to the constitutional convention and an examination of significant supreme court decisions which interpret the constitution. Three units. A fourth unit of credit may be earned by the writing of an additional paper. Mr. Austin. (Not offered 1978-79)

316. History of American Democratic Theory
This course traces the development of the American democratic ideal throughout the history of the United States with emphasis placed upon significant redefinitions and reformulations of that ideal. Three units. A fourth unit of credit may be earned by the writing of an additional paper. Mr. Austin.

321 (221). History of American Presbyterianism
An historical analysis of the origins and development of American Presbyterianism with special attention paid to the events which led to the formation of such Reformed bodies as the Reformed Presbyterian Church, Evangelical Synod and the Orthodox Presbyterian Church. Students who are not history majors or do not need upper-division credit may elect 221, in which certain requirements are less demanding. Three units.

322. History of the Modern Far East
A study of China, Korea, and Japan beginning with their nineteenth-century interaction with the West. Brief consideration will be given to cultural background, but the major focus will be on the confrontation of the past two centuries with western ideology, western culture, and Christian thought and their formative influence on the modern societies of the Far East. Three units. Mr. Young.

350. Summer Reading Seminar
Guided readings in historical topics. Three units.
400. Independent Study
Independent study in history may be pursued by qualified students in accordance with established guidelines. See this catalog, page 13.

401. Studies in U.S. History
Advanced studies in selected topics (e.g. the Federalist Era, Civil War, New Deal, etc.) in American history. This course is conducted as a seminar with a limited enrollment and consists of extensive reading accompanied by written and oral presentations by the student. The topic varies each year and the course may be taken more than once. Prerequisites: appropriate lower level courses in American history and permission of the instructor. May be taken for either three or four units. Mr. Austin.

[409. Seminar in Modern Europe]
Seminar on topics in European history, the emphasis of which will fall on the period since World War I. Prerequisite: History 102 and six hours of upper level history study. May be taken for either three or four units. Mr. Voskuil. (Not offered 1978-79)

411, 412. American Social and Intellectual History
These courses trace the development of American thought in religion, philosophy, education, social reform, political theory, and related fields with consideration given to social values and conduct. Prerequisite: History 211 and 212 or permission of the instructor. Three units each semester. Mr. Austin.

Interdisciplinary Studies

Acceptance into the Interdisciplinary Major

Each student seeking a major in interdisciplinary studies, except those seeking certification in elementary education, must make written application to the interdisciplinary committee. This application will include a clear statement of the student's goals and an explanation of how those goals will best be fulfilled by an interdisciplinary major. Those seeking certification should follow the application procedures outlined on page 51, under Teacher Education Program.

The student should understand both what an academic discipline is and what the advantages and disadvantages of pursuing an interdisciplinary major are.

An academic discipline is a theoretical study that seeks to analyze a specific aspect of God's creation or of man's cultural response. It goes beyond merely introductory studies and is separate from those studies that are solely vocational in emphasis and from those that are simply tools to be used for analytical study.

For the student wishing to explore more disciplines than would normally be provided by selecting a major and a minor field, the interdisciplinary major gives the option of broader coverage. This may give him a better basis for such careers as advertising, business, elementary education, law, or the ministry. At the same time, the interdisciplinary major should not be viewed as an escape from choosing a major in a single academic discipline. The student should realize that, though the interdisciplinary major seeks to provide some depth in each of three academic disciplines, it will not give him the same in-depth grasp of a discipline that choice of a major in a single field would. The major in interdisciplinary studies emphasizes studies in the humanities and social sciences, so does not at the present time include any sciences. The disciplines from which a choice can be made are:

1. Art
2. Biblical Studies and Missions
3. Education
4. English
5. Foreign Language (French, Greek, or Spanish)
6. History
7. Mathematics
8. Music
9. Philosophy
10. Psychology
11. Sociology

Requirements for Major in Interdisciplinary Studies

Core Requirements (Details, including alternatives courses, are given on page 12)

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID 31</td>
<td>Foundations of Modern Culture</td>
<td>4</td>
</tr>
<tr>
<td>ID 91</td>
<td>Philosophy of Culture</td>
<td>3</td>
</tr>
<tr>
<td>ID 92</td>
<td>Senior Integration Project</td>
<td>2</td>
</tr>
<tr>
<td>Bib 111, 113, or 129, Old Testament</td>
<td>3</td>
<td></td>
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<tr>
<td>Bib 142 or 148. New Testament</td>
<td>3</td>
<td></td>
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<tr>
<td>Bib 277-278. Christian Doctrine</td>
<td>6</td>
<td></td>
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<tr>
<td>Eng 11</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Phi 21</td>
<td>Logic or Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>His 102</td>
<td>Trans-Atlantic Civilization</td>
<td>4</td>
</tr>
<tr>
<td>Laboratory Science sequence</td>
<td>8</td>
<td></td>
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<tr>
<td>Soc 141</td>
<td>Principles of Sociology or</td>
<td>3 or 4</td>
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<tr>
<td>Psy 100</td>
<td>General Psychology</td>
<td></td>
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<tr>
<td>ID 34</td>
<td>Man's Creative Expression</td>
<td>4</td>
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<tr>
<td>Language sequence</td>
<td>12-14</td>
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<tr>
<td>PE 51-52</td>
<td>Health and Physical Education</td>
<td>2</td>
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<td>PE 55</td>
<td>First Aid and Personal Safety</td>
<td>1</td>
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</tbody>
</table>

Major and Supporting Course Requirements

Discipline of concentration (18 units minimum)
Second discipline (12 units minimum)
Third discipline (12 units minimum)

Undergraduate Program Examination in Discipline of Concentration
At least 21 units must be 300-level or above.

Students who cannot meet specific course requirements in a chosen discipline may have alternate courses approved.

Specific Requirements in Art

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>Art 301, 302</td>
<td>Art History</td>
<td>6</td>
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<td>Art 303, 304</td>
<td>Oil Painting</td>
<td>6</td>
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<tr>
<td>Art electives (201, 202, 203, 204, 303, or 304)</td>
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<td></td>
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<tr>
<td>Phi 306</td>
<td>Philosophy of Art</td>
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Specific Requirements in Biblical Studies and Missions

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<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Bib 272</td>
<td>Hermeneutics</td>
<td>4</td>
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<tr>
<td>Bible &quot;book study&quot; courses</td>
<td>6</td>
<td></td>
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<tr>
<td>Missions elective</td>
<td>3</td>
<td></td>
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<tr>
<td>Bib 376</td>
<td>Christian Apologetics or 371. Ethics</td>
<td>3</td>
</tr>
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</table>
Specific Requirements in Education

- Edu 221. Principles of Teaching and Learning 3
- Edu 222. Educational Psychology 3
- Edu 321. Structure of Knowledge 3
- Edu 412/414. Designing Teaching/Learning Models 3
- Education electives 6

Specific Requirements in English

- Eng 201 or 202 3
- Eng 203 or 307 3-4
- Eng 310, 317, 322, 333, 334, 341, or 352 3
- Eng 406, 418 (recommended), or 423 3
- Eng 235, 245, 252, 302, or 304 3
- English elective 3

Specific Requirements in Foreign Language (French, Greek, or Spanish)

- One-semester courses in the language, beyond the intermediate level 9 or 6
- Two semesters in a second foreign language 6 or 8
- Two one-semester courses chosen from among: English 205. Introduction to Linguistics
- English 310. Philosophy of Language
- Additional one-semester courses in the language, beyond the intermediate level — *6

Specific Requirements in History

- His 212. U.S. History Since 1865 3
- His 300, 301. Historiography and Research 5
- History electives (300-level or above) 12

Specific Requirements in Mathematics

- Mat 247. Calculus III 4
- Mat 341. Modern Algebra I 3
- Mat 342. Modern Algebra II 3
- Mat 343. Modern Geometry 3
- Mat 347-348. Differential Equations Mathematics electives (342, 343, 347, 348) — (min.) 6

Specific Requirements in Music

- Mus 161. Theory I 4
- Mus 371. Music History 3
- Music Literature 2
- Music electives 9

Specific Requirements in Philosophy

- Phi 203. Ancient Philosophy, or Phi 204. Modern Philosophy 3
- Phi 201. Ethics, or Phi 202. Philosophy of Religion Philosophy electives 12

Specific Requirements in Psychology

- Psy 100. General Psychology 4
- Psychology electives 20

Specific Requirements in Sociology

- Soc 141. Principles of Sociology 3
- Soc 244, or 344. (Social interaction) 3
- Soc 241, 243, or 345. (Social concerns) 3
- Soc 341, 342, or 343. (Social institutions) 3
- Sociology electives (One course from each of two groups above) 6

Courses in Interdisciplinary Studies

31. Foundations of Modern Culture

A survey of Christian principles which provide a perspective for evaluating modes of thought from which modern values and cultures have developed. Following an introduction to the Biblical foundations of this perspective there will be an analysis of great ideas from the fields of philosophy and science. The course will include an overview of the ways in which Christians have understood the relation between their faith and ethics and the values of a secularized society. Four units. Mr. Hurley, Mr. Hekman, and Mr. Hoover.

34. Man's Creative Expression

An introduction to general aesthetic questions and the literary, musical, and plastic arts. Students will learn how to study and criticize already existing works of art, and they will learn something of the creative process by creating their own works of art. Christian perspectives on man's artistic expressions will be emphasized. Four units.

91. Philosophy of Culture

A survey of the system of doctrine taught in the Scriptures with a view toward seeking solutions for the problem of the relationship between Christ and culture. The course will include lectures and student forums. Three units. Mr. Anderson and Mr. Hurley.

92. Senior Integration Project

The student will be expected either to prepare a written thesis or project, which will provide an opportunity to explore and analyze a problem, ordinarily from the student's major field, in the light of Christian philosophy, or to engage in discussions on topics derived from a select list of readings in the history of thought significant for Christianity. Students seeking permission to take this course outside their major field must take the following steps: (1) prepare a written proposal explaining both their project and their reasons for undertaking it outside of their major field, (2) secure the written approval of a first reader, (3) secure the written approval of the department of their major field, and (4) submit the approval to the professor in charge of ID 92 by the appropriate deadline. Two units. Mr. Anderson.

271. History and Culture of Black Americans

The black man in America, his history, his cultural accomplishments, and the social problems that have accompanied him. Enrollment open to freshmen with permission. Spring semester. Three units. Mr. Barker and staff.

[281 (381). Environmental Studies]

Library Science

Course in Library Science

201. Introduction to Library Science
A survey of the field of library science, including the history of librarianship, the role of libraries in society, and career opportunities. Major emphases will be on materials selection and acquisition, the use of basic reference tools, and the principles of cataloging and classification. There will be some in-library workshop periods. This course should be of particular interest to those who anticipate graduate work in library science, but useful also for any student wanting to make full use of library facilities. Two units. Mrs. Slenker.

Mathematics

Mr. Kiester teaching.

Requirements for Minor in Mathematics

Mat 145-146. Calculus I, II ..................................................... 8
Mat 247. Calculus III .................................................................. 4
Mathematics electives (300-level of above) ..................... 14

Dual Degree Program with Georgia Institute of Technology

This five-year program leads to a B.A. from Covenant and a B.S. in Information and Computer Science or a B.S. in Applied Mathematics from Georgia Tech. The program includes three years at Covenant College and two years at Georgia Institute of Technology. Candidates who follow the program outlined below are eligible to seek the degree of Bachelor of Science in Applied Mathematics from the General College of Georgia Institute of Technology. In the case of highly qualified students the Georgia Institute of Technology degree may be at the master’s level.

Requirements for Major in Natural Science Concentration in Mathematics

Core Requirements (Details, including alternative courses, are given on page 12)

ID 31. Foundations of Modern Culture .................................. 4
ID 91. Philosophy of Culture .................................................. 3
ID 92. Senior Integration Project ............................................. 2
Bib 111, 113, or 129. Old Testament ..................................... 3
Bib 142 or 148. New Testament ......................................... 3
Bib 277-278. Christian Doctrine ......................................... 6
Eng 11. English Composition .............................................. 3
His 102. Trans-Atlantic Civilization .................................... 4
Soc 141. Principles of Sociology or Psy 100. General Psychology ............................................. 3 or 4
ID 34. Man’s Creative Expression ........................................ 4

Language sequence......................................................... 6-8
PE 51-52. Health and Physical Education ................................ 2
PE 55. First Aid and Personal Safety .................................... 1
Social Science electives (to meet degree requirements of Georgia Institute of Technology) ......................... 4 or 5
English Literature ................................................................. 3

Major and Supporting Course Requirements

Phy 131-132. General Physics ............................................. 8
Mat 341-342. Modern Algebra ............................................ 6
Physics elective ................................................................... 3
Mat 145-146. Calculus I, II ................................................. 8
Mat 247. Calculus III ........................................................... 4
Mat 348. Elementary Differential Equations .................... 4

Note: A minimum of 95 units must be taken before enrolling at Georgia Institute of Technology. The above program must be supplemented, therefore, by 4 to 6 additional units of electives.

Courses in Mathematics

22. Fundamentals of Mathematics
Elementary set theory, the logical nature of mathematics, the real number system, topics of algebra, algebraic functions, and topics of geometry. This course serves to fulfill the college core requirement in mathematics. Four units.

141-142. Pre-calculus Mathematics
Algebraic, exponential, and logarithmic functions, analytic trigonometry, complex numbers, theory of equations, matrices and determinants, sequences and series, mathematical induction. Designed for freshmen who are not prepared to begin calculus. The first semester can fulfill the core requirement in mathematics. Six units. Mr. Mehne.

145-146. Calculus With Analytic Geometry I, II
Analytic geometry, functions and limits, the derivative and its applications, transcendental functions, the definite integral and its application, methods of integration. These courses are prerequisite to all mathematics courses numbered above 200. Prerequisite: Mathematics 142 or equivalent for 145. Mathematics 145 for 146. Eight units. Mr. Keister.

247. Calculus With Analytic Geometry III
A continuation of Mathematics 145-146. Vectors, and parametric equations, solid analytic geometry and vectors, partial differentiation, multiple integration, infinite series. Prerequisite: Mathematics 146. Four units. Mr. Keister.

251. Elementary Statistical Methods
An introductory course in statistical procedures used in scientific research investigations. Topics considered include the nature and importance of statistics, quantification, measurement, probability, elementary research design, the collection and scoring of research results, measures of central tendency and norms, correlational
analysis, statistical inference, analysis of variance and the analysis of categories and ranks. Computer applications will be stressed. Pre¬
requisite: high school algebra. Three hours lecture and two hours laboratory. Offered Fall. Laboratory fee: $10.00. Four units. Mr. Sizemore.

[341-342. Modern Algebra]
A first course in abstract and linear algebra. Sets, mappings, equivalence relations, and introduction to the theory of groups, rings, and fields, linear equations, vector spaces, and linear transformations, matrices and determinants, characteristic values and vectors, similarity of matrices. Prerequisite: Mathematics 247 or consent of the instructor. Six units. (Not offered 1978-79)

[343. Modern Geometry]
The nature of this course is expected to vary with the needs and interests of the students. Selected topics from advanced Euclidean geometry, projective geometry, and non-Euclidean geometries. Prerequisite: Mathematics 247 or consent of the instructor. Three units. (Not offered 1978-79)

[345-346. Mathematical Probability and Statistics]
Introduction to probability, finite sample spaces, conditional probability and independence, random variables and their characterization, special discrete and continuous distributions, the moment-generating function, sums of random variables, sampling distributions, estimation of parameters, testing hypotheses. Prerequisite: Mathematics 247 or consent of the instructor. Six units. (Not offered 1978-79)

348. Elementary Differential Equations
First order differential equations, second and higher order linear equations, series solutions, the Laplace transform, systems of first order equations, linear second order boundary value problems. Prerequisite: Mathematics 247. Four units. Mr. Keister.

[441-442. Applied Mathematics]
Topics in advanced calculus, vector calculus; calculus of variations, Fourier series, Laplace transforms, Fourier transforms; topics in complex variables. Prerequisite: Mathematics 347. Three units. (Not offered 1978-79)

Medical Technology
See Natural Science: Requirements for Associate of Arts Degree in Basic Health Sciences

Missions

Buying books in campus bookstore, the Tuck Shoppe.

Requirements for Major in Biblical Studies and Missions, Concentration in Missions

Core Requirements (Details, including alternative courses, are given on page 12)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID 31. Foundations of Modern Culture</td>
<td>4</td>
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<tr>
<td>ID 91. Philosophy of Culture</td>
<td>3</td>
</tr>
<tr>
<td>ID 92. Senior Integration Project</td>
<td>2</td>
</tr>
<tr>
<td>Bib 111, 113, or 129. Old Testament</td>
<td>3</td>
</tr>
<tr>
<td>Bib 142 or 148. New Testament</td>
<td>3</td>
</tr>
<tr>
<td>Bib 277-278. Christian Doctrine</td>
<td>6</td>
</tr>
<tr>
<td>Eng 11. English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Phi 21. Logic or Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>His 102. Trans-Atlantic Civilization</td>
<td>4</td>
</tr>
<tr>
<td>Lab 101. Laboratory Science sequence</td>
<td>8</td>
</tr>
<tr>
<td>Soc 141. Principles of Sociology or Psy 100. General Psychology</td>
<td>3 or 4</td>
</tr>
<tr>
<td>ID 34. Man's Creative Expression</td>
<td>4</td>
</tr>
<tr>
<td>Language sequence (Greek is strongly recommended)</td>
<td>14</td>
</tr>
<tr>
<td>PE 51-52. Health and Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE 55. First Aid and Personal Safety</td>
<td>1</td>
</tr>
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</table>

Major and Supporting Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missions courses</td>
<td>12</td>
</tr>
<tr>
<td>Bib 411-412. Bible Seminar</td>
<td>4</td>
</tr>
<tr>
<td>Bible “book study” courses</td>
<td>6</td>
</tr>
<tr>
<td>Biblical Studies or Missions electives</td>
<td>15</td>
</tr>
<tr>
<td>His 311. History of the Christian Church</td>
<td>4</td>
</tr>
<tr>
<td>Philosophy elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Comprehensive examination in Biblical Studies

*If a minor is desired this may be reduced to 3 units

**If a minor is desired these courses may be omitted, but are still recommended

Requirements for Minor in Missions

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mis 201 or 301</td>
<td>3</td>
</tr>
<tr>
<td>Mis 202 or 302</td>
<td>3</td>
</tr>
<tr>
<td>Missions elective</td>
<td>3</td>
</tr>
<tr>
<td>Biblical Studies or Missions elective</td>
<td>3</td>
</tr>
</tbody>
</table>
Courses in Missions

201. Missionary Methods and Problems
Methods of conducting the missionary effort in foreign countries will be studied in relation to such matters as communications, eclectics, identification, unacceptable accommodation, the support and government of local churches, the problem of church and state, and various types of missionary endeavor. Three units. Mr. Young.

[202. Theology of Missions]
A study of Biblical and extra-Biblical covenants will be made to see the importance of the covenant concept to the revelation of redemption; the basis of missions as lying in a covenant-centered theology of missions; the doctrines of election, atonement, love of God, common grace, and free offer of the gospel, in relation to missions. Three units. Mr. Young. (Not offered 1978-79)

[301. Post-Reformation History of Missions]
A study of the history of the foreign missionary movement from Reformation times, Calvin, the Puritans, Mennonites, and the modern movement. Three units. Mr. Young. (Not offered 1978-79)

302. World Religions
An analytical and critical appraisal of the major non-Christian religious ideologies of animism, Hinduism, Buddhism, Shintoism, and Islamism, with a consideration of the early influence of Christianity on the latter three, and the world and life views with which their followers confront the missionary. Three units. Mr. Young.

[303. Modern Religious Cults]
A critical study of the religious cults of Christian Science, Jehovah's Witnesses, Mormonism, and Seventh-day Adventism, with special attention being given to their historical development and doctrinal emphases as these are derived from their original

source material. Three units. Mr. Young. (Not offered 1978-79)

This course is introduced by a study of the Old Testament concept of Israel as a light to the Gentiles, and emphasizes the missionary activity of the apostles, considering the historical and cultural situations of the times, and the apostolic message, methods, and doctrine of the church and its mission. Three units. Mr. Young. (Not offered 1978-79)

[310. The Church's Pre-Reformation Mission to the Far East]
A study of the eastward advance of missionaries of the early church of the East (Nestorian) and medieval churches will be made, with special attention given to the social, cultural, and historical situations of the Oriental civilizations penetrated. The motivation, methodology, related doctrines, and results of each effort will be evaluated. Three units. Open to freshmen with permission of the instructor. Mr. Young. (Not offered 1978-79)

322. History of the Modern Far East
A study of China, Korea, and Japan beginning with their nineteenth-century interaction with the West. Brief consideration will be given to cultural background, but the major focus will be on the confrontation of the past two centuries with western ideology, western culture, and Christian thought and their formative influence on the modern societies of the Far East. Three units. Mr. Young.

[401. Missions Seminar]
A study in depth of four mission fields representing different levels of culture and church growth, from advanced to primitive, to understand the culture and problems, appraise the methods used and seek answers for the future. Three units. Mr. Young. (Not offered 1978-79)

Music

Requirements for All Music Majors
Music majors are required to attend student recitals and to participate in a performing organization in their major area of performance. Credit may be earned in any of the performing organizations sponsored by the department. All students who wish to change from one performance level to another in applied music must sustain a performance examination. All music majors are required a Basic Piano Proficiency of Level 1, sight reading of simple accompaniments to art songs, instrumental solos, or piano music, and performance of a prepared piano composition or accompaniment. The student is to enroll for private piano instruction with or without credit until this requirement is met.

Applicants for the music programs will follow the standard application procedure for the college, but will be admitted to the music programs only by audition. Auditions may be made by tape and submitted to the music department, preferably in the spring, or personal auditions may be held by special appointment. Scholarships or playing grants are available to gifted students. Requests for applications and information should be submitted to Scholarship Committee, Covenant College.

Requirements for Major in Music, B.A. Degree
The purpose of the curriculum is to provide both a broad, liberal arts education and a concentrated training in applied and academic music studies. Private lessons are offered in piano, organ, voice, and the orchestral and band instruments. Completion of this program requires a total of 126 units, including 48 units of music.
Core Requirements (Details, including alternative courses, are given on page 12)

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
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<tr>
<td>ID 31. Foundations of Modern Culture</td>
<td>4</td>
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<tr>
<td>ID 91. Philosophy of Culture</td>
<td>3</td>
</tr>
<tr>
<td>ID 92. Senior Integration Project</td>
<td></td>
</tr>
<tr>
<td>Bib 111, 113, or 129. Old Testament</td>
<td>3</td>
</tr>
<tr>
<td>Bib 142 or 148. New Testament</td>
<td>3</td>
</tr>
<tr>
<td>Bib 277-278. Christian Doctrine</td>
<td>6</td>
</tr>
<tr>
<td>Eng 11. English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Phil 21. Logic or Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>His 102. Trans-Atlantic Civilization</td>
<td>4</td>
</tr>
<tr>
<td>Laboratory Science sequence</td>
<td>8</td>
</tr>
<tr>
<td>Soc 141. Principles of Sociology or</td>
<td></td>
</tr>
<tr>
<td>Psy 100. General Psychology</td>
<td>3 or 4</td>
</tr>
<tr>
<td>Foreign Language sequence</td>
<td>14</td>
</tr>
<tr>
<td>PE 51-52. Health and Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE 55. First Aid and Personal Safety</td>
<td>1</td>
</tr>
</tbody>
</table>

Major and Supporting Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Mus 161-162. Theory I</td>
<td>6</td>
</tr>
<tr>
<td>Mus 163-164. Ear Training I</td>
<td>2</td>
</tr>
<tr>
<td>Mus 261-262. Theory II</td>
<td>6</td>
</tr>
<tr>
<td>Mus 263-264. Ear Training II</td>
<td>2</td>
</tr>
<tr>
<td>Mus 282. Basic Conducting</td>
<td>2</td>
</tr>
<tr>
<td>Mus 371-372. Music History and Literature</td>
<td>6</td>
</tr>
<tr>
<td>Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>Applied Music—major instrument</td>
<td>16</td>
</tr>
<tr>
<td>Music electives</td>
<td>4</td>
</tr>
<tr>
<td>Concert and recital attendance (minimum three per semester)</td>
<td>0</td>
</tr>
</tbody>
</table>

Undergraduate Program Examination in Music

Requirements for Minor in Music

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mus 161-162. Theory I</td>
<td>6</td>
</tr>
<tr>
<td>Mus 163-164. Ear Training I</td>
<td>2</td>
</tr>
<tr>
<td>Mus 171. Introduction to Music</td>
<td>3</td>
</tr>
<tr>
<td>Ensemble for 2 semesters</td>
<td>1-2</td>
</tr>
<tr>
<td>Applied Music, 2 semesters</td>
<td>4</td>
</tr>
</tbody>
</table>

Requirements for Major in Music Education, B.Mus. Degree and for Georgia Certification in Music, Grades 1-12

This program provides training for prospective choral and instrumental teachers at both the elementary and secondary levels, along with proficiency in various areas of applied music. In addition, a broad core curriculum is included.

General Education

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ID 31. Foundations of Modern Culture</td>
<td>4</td>
</tr>
<tr>
<td>Bib 111, 113, or 129. Old Testament</td>
<td>3</td>
</tr>
<tr>
<td>Bib 142 or 148. New Testament</td>
<td>3</td>
</tr>
<tr>
<td>Bib 277-278. Christian Doctrine</td>
<td>6</td>
</tr>
<tr>
<td>Eng 11. English Composition</td>
<td>6</td>
</tr>
<tr>
<td>ID 91. Philosophy of Culture</td>
<td>3</td>
</tr>
<tr>
<td>ID 92. Senior Integration Project</td>
<td>2</td>
</tr>
<tr>
<td>Laboratory Science sequence</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>His 102. Trans-Atlantic Civilization</td>
<td>4</td>
</tr>
<tr>
<td>Social Science</td>
<td>8</td>
</tr>
<tr>
<td>PE 51-52. Health and Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE 55. First Aid and Personal Safety</td>
<td>1</td>
</tr>
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</table>

Teaching Field

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mus 161-162. Theory I</td>
<td>6</td>
</tr>
<tr>
<td>Mus 163-164. Ear Training I</td>
<td>2</td>
</tr>
<tr>
<td>Mus 261-262. Theory II</td>
<td>6</td>
</tr>
<tr>
<td>Mus 263-264. Ear Training II</td>
<td>2</td>
</tr>
<tr>
<td>Mus 282. Basic Conducting</td>
<td>2</td>
</tr>
<tr>
<td>Mus 352. Music in the Elementary School</td>
<td>2</td>
</tr>
<tr>
<td>Mus 353. Music in the Secondary School</td>
<td>2</td>
</tr>
<tr>
<td>Mus 371-372. Music History and Literature</td>
<td>6</td>
</tr>
</tbody>
</table>

Mus 381. Advanced Conducting                 | 2       |
Applied Music                                  | 14      |
Music or Music Education electives, including Ensemble | 6       |
*Piano proficiency                           | 0       |
Concert and recital attendance (3 per semester) | 0       |

Professional Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edu 221. Principles of Teaching and Learning</td>
<td>3</td>
</tr>
<tr>
<td>Edu 222. Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Edu 321. Structure of Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>Edu 361. Identification and Education of Elementary and Secondary Children with Special Needs</td>
<td>3</td>
</tr>
</tbody>
</table>
Instrumental and Vocal Methods                | 8       |
EDU 422/424. Teaching Practicum              |         |

Requirements for Major in Applied Music, B.Mus. Degree

This is a pre-professional program designed to prepare students for performance, church music, or for graduate studies in applied music, musicology, theory, or related studies. In addition to the intensive private study in applied music, the program includes sufficient theory, music history and literature to insure a thorough music background. A junior and a senior recital are required of each student.

Core Requirements (Details, including alternative courses, are given on page 12).

<table>
<thead>
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<tr>
<td>ID 92. Senior Integration Project</td>
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<tr>
<td>Bib 111, 113, or 129. Old Testament</td>
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<tr>
<td>Bib 142 or 148. New Testament</td>
<td>3</td>
</tr>
<tr>
<td>Bib 277-278. Christian Doctrine</td>
<td>6</td>
</tr>
<tr>
<td>Eng 11. English Composition</td>
<td>6</td>
</tr>
<tr>
<td>His 102. Trans-Atlantic Civilization</td>
<td>4</td>
</tr>
<tr>
<td>Foreign Language sequence (Students may elect to take one year each of two languages)</td>
<td>14-16</td>
</tr>
<tr>
<td>PE 51-52. Health and Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE 55. First Aid and Personal Safety</td>
<td>1</td>
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</tbody>
</table>

Major and Supporting Course Requirements

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Mus 161-162. Theory I</td>
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<td>Mus 163-164. Ear Training I</td>
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<tr>
<td>Mus 261-262. Theory II</td>
<td>6</td>
</tr>
<tr>
<td>Mus 263-264. Ear Training II</td>
<td>2</td>
</tr>
<tr>
<td>Mus 282. Basic Conducting</td>
<td>2</td>
</tr>
<tr>
<td>Mus 363-364. Form and Analysis</td>
<td>4</td>
</tr>
<tr>
<td>Mus 371-372. Music History and Literature</td>
<td>6</td>
</tr>
<tr>
<td>Mus 381. Advanced Conducting</td>
<td>2</td>
</tr>
</tbody>
</table>
Applied Music—major instrument               | 32      |
Ensemble                                     | 4       |
Music electives                              | 11      |
*Piano proficiency                           | 0       |
**Junior recital                             | 0       |
**Senior recital                             | 0       |
Concert and recital attendance (minimum 3 per semester) | 0       |
Undergraduate Program Examination in Music   |         |
*Students should register for piano proficiency the semester in which they wish to take the examination. **Students should register for recital the semester during which it is to be given.

Courses in Music

Courses in History and Literature

171. Introduction to Music

A course designed to develop a musical perception and ability to hear the best music intelligently. Emphasis is placed on aspects of style that distinguish one era from another. (Music majors may be exempted from this course upon examination.) Three units. Mr. Halvorsen.
Piano Literature
A study of the development of the piano and the various forms in which piano works appear. Emphasis upon the style of various composers and extensive repertoire. Two units. Mr. Halvorsen.

Voice Literature
A comprehensive study of art song literature. Two units. Mr. Hamm.

Choral Literature
A comprehensive study of the choral literature of all periods. Two units. Mr. Hamm.

Symphonic Literature
A course in the study of symphonic literature of the eighteenth, nineteenth, and twentieth centuries. Two units. Mr. Parker.

Courses in Theory

161-162. Theory I
A study of keys, scales, intervals, triads, chord progressions, cadences, harmonizations of melodies and basses, simple modulations, and analysis. Three meetings per week. Three units each semester. Mr. Parker.

163-164. Ear Training I
A course designed to develop the students' aural perceptions through rhythmic, melodic, and harmonic dictation, sight singing, and keyboard harmony. Two hours per week. One unit per semester.

261-262. Theory II
A study of modulations, altered chords, augmented chords, ornamentation, analysis, and original work. Three meetings per week. Three units each semester. Mr. Halvorsen.

263-264. Ear Training II
Same as 163-164, but more advanced work. Two hours per week. One unit per semester. Mr. Halvorsen.

Counterpoint
The harmonic contrapuntal technique of the eighteenth century. Second semester. Two units. (Not offered 1978-79)

Form and Analysis
A course in the analysis of all forms prevalent in the eighteenth and nineteenth centuries. Detailed study of structure of phrases, periods, transitions, parts, songs, dance forms, and sonata form. Extensive analysis of actual works such as Mendelssohn Songs Without Words and Beethoven Sonatas. Prerequisite: Music Theory II. Two units each semester. Mr. Parker. (Not offered 1978-79)

Orchestration
Study of ranges, tonal possibilities, technical limitations, and necessary transpositions of all orchestral and band instruments; scoring of short pieces in various styles for small and large orchestra and band. Prerequisite: Music Theory II. Two units. Mr. Parker. (Not offered 1978-79)

Music History and Literature
An intense study of the music of all ages designed for the music majors. Open to others with the approval of the instructor. Three units each semester. Mr. Parker. (Not offered 1978-79)

Hymnology
A study of the textual and musical elements of the hymnology of the Christian Church, including Early Church Song, the Lutheran Chorale, Psalmody, and English and American Hymnody. The course will also include critical evaluation of hymns. Two units. Mr. Hamm. (Not offered 1978-79)

Choral Literature
A comprehensive study of the choral literature of all periods. Two units. Mr. Hamm.

Symphonic Literature
A course in the study of symphonic literature of the eighteenth, nineteenth, and twentieth centuries. Two units. Mr. Parker.

Courses in Theory

161-162. Theory I
A study of keys, scales, intervals, triads, chord progressions, cadences, harmonizations of melodies and basses, simple modulations, and analysis. Three meetings per week. Three units each semester. Mr. Parker.

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A course designed to develop the students' aural perceptions through rhythmic, melodic, and harmonic dictation, sight singing, and keyboard harmony. Two hours per week. One unit per semester.

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Study of ranges, tonal possibilities, technical limitations, and necessary transpositions of all orchestral and band instruments; scoring of short pieces in various styles for small and large orchestra and band. Prerequisite: Music Theory II. Two units. Mr. Parker. (Not offered 1978-79)

Courses in Music Education

251-255. Instrumental Methods
Class instruction in instruments of the orchestra in preparation for teaching in elementary and secondary schools. Tone production, fingerings, methods of teaching, and literature are taught for each instrument. Each music education major is required to take two units in each of two instrumental courses offered, Woodwind and Brass Methods, and String Methods. Students preparing primarily for instrumental teaching must take an additional two units in Percussion Methods.

251. Woodwind and Brass Methods
Woodwind—Clarinet concentration, and flute, oboe, bassoon methods. Brass—Trumpet concentration, and French horn, trombone, and tuba methods. Two units. Mr. Parker.

253. Percussion Methods
Snare drum concentration, also tympani, and tuned percussion methods. Two units. (Not offered 1978-79)

255. String Methods
Violin concentration, and viola, cello, and bass methods. Two units. (Not offered 1978-79)

352. Music in the Elementary School
Objectives and techniques of the choral and instrumental program in the elementary school, with emphasis on methods, materials, the child's voice, listening techniques for children, audiovisual material, recordings, rhythm bands, beginning instrumental programs, and the middle school concept. Music majors and Elementary Education majors will be given separate assignments as appropriate. Two units. Mr. Parker.

353. Music in the Secondary School
Objectives and techniques of the choral and instrumental program in the secondary school, with emphasis on such matters as organization, methods of teaching, testing, business procedures, contests, professional organizations, seating, and discipline. Two units. Mr. Parker.

Miscellaneous Music Courses

282. Basic Conducting
Fundamental conducting techniques, including best patterns, left hand dynamic control, simple phrasing, tempo and rhythmic changes. Two units. Mr. Hamm. (Not offered 1978-79)

381. Advanced Conducting
Continued development of the conducting skills. Rehearsal techniques, principles of interpretation. Two hours per week and membership in Chorale, Community Chorus, or Chamber Orchestra. Prerequisite: Basic Conducting. Two units. Mr. Hamm. (Not offered 1978-79)

481. Pedagogy
Pedagogy in voice, piano, or other major instrument. Two units. (Not offered 1978-79)

Performance Organizations

191, 192. Oratorio Chorus
Open to all students interested in performing the great works of the sacred choral literature. The chorus meets weekly and performs twice a year. One-half unit each semester. Mr. Hamm.

193-194. Covenant Chorale
Members are selected after an audition with the director. Three hours rehearsal weekly. Concerts are presented on annual tours and in local churches. Fee: $3.00 per year. Two units per year. Mr. Hamm.
195-196. Madrigal Singers
The study and performance of choral literature appropriate for small voice groups. Open to students with sight singing ability and with the approval of the director. Three hours per week. Fee: $2.00 per year. Two units per year. Mr. Hamm.

197-198. Wind Ensemble
Membership is by audition. All instrumental music majors are required to participate. Three hours rehearsal weekly. One unit per semester.

199-200. Instrumental Ensemble
Membership is by audition. String trio, quartet, piano trio, string ensembles, brass ensembles, etc., are arranged according to student needs and performance levels.

Chattanooga Symphony Orchestra
Membership is by audition with the symphony Director. Students are allowed to perform either as amateur, or, where quality permits, as professional union musicians, according to the orchestra's musical needs. Financial details may be obtained by writing Dr. Richard Cormier, Musical Director, Chattanooga Symphony Orchestra, Chattanooga, Tennessee.

Natural Science

Requirements for Major in Natural Science
Concentration in Chemistry (See Chemistry)
Concentration in Mathematics (See Mathematics)
Concentration in Physics (See Physics)
Concentration in Pre-engineering (See Engineering)

Requirements for Associate of Arts Degree in Basic Health Sciences
This program provides the foundation for entering a number of baccalaureate-level programs in the health professions. Examples are Medical Technology, Occupational Therapy, Respiratory Therapy, Physical Therapy, Radiologic Technology, Physician's Assistant, and Dental Hygiene.

Core Requirements (For details, see page 12. For this program the Laboratory Science units are listed not under the Core Requirements but under the Area of Concentration).
ID 31, Foundations of Modern Culture ........................................4
Bib 111, 113, or 129, Old Testament ........................................3
Bib 142 or 148, New Testament ........................................3
His 102, Trans-Atlantic Civilization ........................................4
Eng 11, English Composition .................................................3
*Social Science ..................................................................3 or 4
ID 34, Man's Creative Expression ...........................................4
PE 51 or 52, Health and Physical Education .........................1
PE 55, First Aid and Personal Safety ........................................1

Area of Concentration
Mat 141, Pre-calculus Mathematics .........................................3
Mat 142, Pre-calculus Mathematics or 251, Elementary Statistics Methods ........................................3 or 4
Bio 111-112, General Biology ..............................................8
Che 121-122, General Chemistry ...........................................8
*Additional Science .......................................................4-16

*Elective Units .....................................................................0-13

*Students should consult the catalogs of particular institutions offering baccalaureate degrees in health professions in order to select appropriate social science, science, and elective courses. Depending on the program desired, students might select such courses as the following:


Science: General Physics, Microbiology, Genetics, Anatomy, Physiology, Organic Chemistry, Analytical Chemistry.

Courses in Natural Science
(These courses may not be applied to the majors in biology or chemistry.)

105. Problems of Physical Science
An introduction to the methods of physical science, including experimentation, formulation of hypotheses, and testing hypotheses. The course will include a brief survey of the history of science, and a discussion of the meaning of scientific proof. Three hours lecture. Three hours laboratory. Laboratory fee: $15.00. Four units. Mr. Dameron.

106. Problems of Biological Science
A survey of issues in modern biology, emphasizing views of origin and including topics such as genetic manipulation and production of “test tube babies.” The historical development of ideas and attitudes among modern scientists concerning origin will be traced. Creationist alternatives will be examined. Three hours lecture. Two hours laboratory. Laboratory fee: $10.00. Four units. Mr. Lothers.

108. Problems of Geological Science
An examination of the history of uniformitarianism and its impact on modern geology, with an analysis of its consistency in relation to the scientific method. Alternative theories of the development of landforms will be considered. Laboratory will include work with geological specimens. Three hours lecture. Two hours laboratory. Laboratory fee: $10.00. Mr. Wenger.
### Nursing Education

**Requirements for Pre-nursing Program**

By satisfactorily completing two years in the pre-nursing curriculum at Covenant College, the student may apply for admission on the junior level to selected schools of nursing for completion of the Bachelor of Science degree in nursing. Covenant's pre-nursing curriculum is planned as much as possible on an individual basis to meet the prerequisites of the selected school of nursing.

### Philosophy

**Requirements for Major in Philosophy**

Core Requirements (Details, including alternative courses, are given on page 12)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID 31</td>
<td>Foundations of Modern Culture</td>
<td>4</td>
</tr>
<tr>
<td>ID 91</td>
<td>Philosophy of Culture</td>
<td>3</td>
</tr>
<tr>
<td>ID 92</td>
<td>Senior Integration Project</td>
<td>2</td>
</tr>
<tr>
<td>Bib 111</td>
<td>Old Testament</td>
<td>3</td>
</tr>
<tr>
<td>Bib 142</td>
<td>New Testament</td>
<td>3</td>
</tr>
<tr>
<td>Bib 277-278</td>
<td>Christian Doctrine</td>
<td>6</td>
</tr>
<tr>
<td>Eng 11</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Phi 21</td>
<td>Logic or Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>His 102</td>
<td>Trans-Atlantic Civilization</td>
<td>4</td>
</tr>
<tr>
<td>Soc 141</td>
<td>Principles of Sociology or</td>
<td>3</td>
</tr>
<tr>
<td>Psy 100</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Che 121-122</td>
<td>General Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>Bio 111-112</td>
<td>General Biology</td>
<td>8</td>
</tr>
</tbody>
</table>

Laboratory Science sequence

*Additional Psychology or Sociology electives: 8 or 9 units.

Bib 277-278 Christian Doctrine

Area of Concentration for Pre-Nursing Curriculum

Nur 101. Introduction to Nursing

Che 121-122. General Chemistry

Bio 111-112. General Biology

*Additional Psychology or Sociology electives: 8 or 9 units.

Bib 277-278 Christian Doctrine

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Phi 203 or 204</td>
<td>Philosophy electives (300-level or above)</td>
<td>3</td>
</tr>
<tr>
<td>Phi 100</td>
<td>General Psychology</td>
<td>18</td>
</tr>
<tr>
<td>Undergraduate Program Examination in Philosophy</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

*If a minor is desired this may be reduced to 6 units.

### Requirements for Minor in Philosophy

Philosophy electives (200-level or above)

*The choice of these electives will depend upon the student’s major and will be made by the philosophy department in conjunction with the student.

### Courses in Philosophy

21. Logic

An introduction to classical and modern logic with some attention to the problems of induction. The emphasis is on a proper use of inferences in ordinary language and with logical symbols. Three units. Mr. Keister.

201. History of Ethics

A study of the principal theories, from the Greek schools on to Kant, Bentham, and Dewey. Three units. Mr. Hoover.

202. Philosophy of Religion

An investigation into the major philosophical problems in religion: the existence of God, the character of religious knowledge and verification, the nature of religious language, etc. Three units. Mr. Clark.
203. History of Ancient Philosophy
From the earliest beginnings to the end of Antiquity. Three units.

204. History of Modern Philosophy
From Descartes to Kant. Three units. Mr. Clark.

303. Medieval and Renaissance Philosophy
From the disciples of Augustine to Occam. Four units. Mr. Clark.
(Not offered 1978-79)

304-305. History of Recent Philosophy
An examination of basic trends of post-Kantian thought. Some attention will be given to the philosophy of science. German idealism, pragmatism, positivism, analytic philosophy, phenomenology, and existentialism. Six units. Either semester may be taken for credit. Mr. Clark. (Not offered 1978-79)

306. Philosophy of Art
The clarification of terms and a discussion of proposed criteria for aesthetic judgments. Major works will be read and discussed. Three units.

308. Philosophy of the Hellenistic Age

309. Advanced Logic
The propositional calculus and general quantification theory, with some attention to practical application of these principles. Three units. Mr. Hoover.

310. Philosophy of Language
A study of the nature of verbal symbols and communication; Augustine's On the Teacher; the relation of language to metaphysics; ideal versus ordinary language; analysis and Positivism. Three units. Mr. Clark. (Not offered 1978-79)

317. Political Philosophy
A study of the authority, the forms, and the functions of government. The theories of Plato, Aristotle, Augustine, Samuel Rutherford, John Locke, Rousseau, Kant, Hegel and Marx. Questions to be considered: By what right do rulers coerce citizens? What forms of government are best for what functions? In addition to the secular theories of Aristotle, Rousseau, and Marx, there will be a discussion of the views of Augustine, Luther, and the Covenanters. Three units. Mr. Clark. (Not offered 1978-79).

399-400. Independent Study
With permission of the department, properly qualified philosophy majors may, under the supervision of individual members of the faculty, take a course of directed reading and independent investigation. The preparation of a thesis on the historical background and contemporary status of a major philosophical problem will be required. One, two, or three units.

401. Philosophy of Science
A study of the nature, scope, and limitations of scientific method and explanation with some attention being given to scientific concepts such as causality, space, time, etc. Some inquiry will be made into the relationship between science and human values. Three units. Mr. Clark.

407. Philosophy Seminar
An in-depth inquiry into the work of a given philosopher, a specific problem in philosophy, or a specific area of philosophical concern. Three or four units. Mr. Hoover.

Physical Education

In addition to the Physical Education activity course taken by freshmen, a complete program of intramural games and intercollegiate sports is offered. The intramural program enables students to compete on team and individual bases against members of other classes and the faculty. The winning men's and women's teams are presented trophies known as the President's Cup. The intercollegiate program consists of men's soccer, JV and varsity basketball, baseball, tennis, and cross-country.

Requirements for Major in Physical Education
Core Requirements (Details, including alternative courses, are given on page 12)
- ID 31. Foundations of Modern Culture .......... 4
- ID 91. Philosophy of Culture .................. 3
- ID 92. Senior Integration Project ................ 2
- Bib 111, 113, or 129. Old Testament .......... 3
- Bib 142 or 148. New Testament .............. 3
- Bib 277-278. Christian Doctrine .............. 6
- Eng 11. English Composition ................ 3
- Phi 21. Logic or Mathematics (Students seeking teacher certification should take Mat 251. Elementary Statistical Methods) ................ 3-4
- His 102. Trans-Atlantic Civilization .......... 4
- Soc 141. Principles of Sociology or Psy 100. General Psychology .......... 3 or 4
- ID 34. Man's Creative Expression .......... 4
- Language sequence ................ 12-14
- PE 51-52. Health and Physical Education ........ 2
- PE 55. First Aid and Personal Safety .......... 1

Major and Supporting Course Requirements
- PE 130. Introduction to Physical Education ........ 3
- PE 201. Health Education .......................... 2
- PE 338. Kinesiology ................................ 4
- PE 331, 332, 335, 336, or 337 ................ 3
- Bio 101. Elements of Zoology ................ 4
- Bio 216. Human Anatomy ..................... 4
- Bio 217. Human Physiology .................... 4
- Related electives .............................. 9

Undergraduate Program Examination in Physical Education

Students majoring in Physical Education will in both semesters of their junior year assist for three hours each week in the supervision of 52 Health and Physical Education (and occasionally of 51.) This participation will serve to fulfill their practical-work assignment for the year.

Requirements for Minor in Physical Education
- PE 130. Introduction to Physical Education ........ 3
- PE 201. Health Education .......................... 2
- PE elective or Bio 216. Human Anatomy .......... 3-4
- Bio 111. General Biology ...................... 4
- Bio 217. Human Physiology .................... 4

Requirements for Georgia Certification in Physical Education, Grades 1-12

General Education
- ID 31. Foundations of Modern Culture .......... 4
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>51-52. Health and Physical Education</td>
<td>3</td>
<td>Fee $7.50. One unit each semester. Mr. Fitzgerald.</td>
</tr>
<tr>
<td>55. First Aid and Personal Safety</td>
<td>1</td>
<td>Students who satisfactorily complete this course are presented the Standard Red Cross First Aid Certificate. Fee: $7.50. One unit. Mr. Bowman.</td>
</tr>
<tr>
<td>130. Introduction to Physical Education</td>
<td>3</td>
<td>A study of the history and philosophy of the movement, men and methods of physical education from the Greco-Roman era to the present day. The contributions of the men and the changing methods will be researched. Each student will be required to do an individual project. Three units. (Not offered 1978-79)</td>
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<tr>
<td>131. Senior Lifesaving</td>
<td>1</td>
<td>One unit.</td>
</tr>
<tr>
<td>132. Red Cross Water Safety Instruction</td>
<td>1</td>
<td>One unit.</td>
</tr>
<tr>
<td>133. Horseback Riding</td>
<td>1</td>
<td>A special off-campus course where all the special skills in riding are taught. All students must provide their own transportation. Cost is $25.00 per semester. One unit.</td>
</tr>
<tr>
<td>[201. Health Education]</td>
<td></td>
<td>To create an awareness of current problems, trends, and issues in the field of Health Education. Emphasis will be placed on the effects of tobacco, alcohol, and drug abuse on the body. Students will learn to identify and utilize varied sources of information and be introduced to new methods and materials. Two units. (Not offered 1978-79)</td>
</tr>
<tr>
<td>205-215. Individual Sports</td>
<td></td>
<td>These courses aim to help the student develop skills in a particular individual activity.</td>
</tr>
<tr>
<td>[205. Archery.] One unit. Mr. Fitzgerald. (Not offered 1978-79)</td>
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<tr>
<td>206. Bowling. Students are responsible for equipment and for game fees. One unit. Mr. Bowman.</td>
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<tr>
<td>207. Gymnastics. One unit.</td>
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<td>208. Tennis. One unit. Mr. Fitzgerald.</td>
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<td>209. Golf. One unit. Mr. Fitzgerald.</td>
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<tr>
<td>211. Swimming. One unit.</td>
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<td>212. Handball. One unit.</td>
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<tr>
<td>213. Racquet Ball. One unit. Mr. Rulon.</td>
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<td>214. Squash. One unit.</td>
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<tr>
<td>216. Ice Skating. One unit.</td>
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<tr>
<td>220-226. Team Sports</td>
<td></td>
<td>These courses aim to help the student develop skills in a particular team sport.</td>
</tr>
<tr>
<td>[220. Soccer.] One unit. Mr. Bowman. (Not offered 1978-79)</td>
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<tr>
<td>221. Basketball. One unit. Mr. Fitzgerald.</td>
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</tr>
<tr>
<td>[222. Speedball.] One unit. (Not offered 1978-79)</td>
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<td></td>
</tr>
<tr>
<td>223. Volleyball. One unit. Mr. Fitzgerald.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[224. Football.] One unit. Mr. Fitzgerald. (Not offered 1978-79)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[225. Softball.] One unit. (Not offered 1978-79)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>331. Psychology of Coaching</td>
<td></td>
<td>The methods and strategy involved in coaching in all sports are stressed in this course with special emphasis on soccer, basketball, and baseball. Three units. Mr. Bowman.</td>
</tr>
<tr>
<td>[332. Camping and Recreation]</td>
<td></td>
<td>Development of the recreational movement in America in respect to leisure time. Community and national programs and laws. The organizational and administrative aspects of camping programs; the basis on which a camping program is developed. Three units. Mr. Bowman. (Not offered 1978-79)</td>
</tr>
<tr>
<td>333. Officiating</td>
<td></td>
<td>Instruction in skills and techniques required for officiating. Exact knowledge of rules and regulations required for the sports: football, volleyball, soccer, basketball, baseball, softball. Students officiate at intramural games as part of the requirements for this course. Three units. Mr. Bowman, Mr. Fitzgerald.</td>
</tr>
<tr>
<td>335. Physical Education in the Elementary School</td>
<td></td>
<td>The methods and materials for teaching physical education in the elementary school are considered. Curriculum planning, facilities, equipment, integration and correlation of the academic presentation and physical activities in the classrooms, selection of materials, teaching techniques, and the selection of suitable activities (including creative movement and movement education) for the elementary grades are emphasized. Three units. Mr. Bowman.</td>
</tr>
<tr>
<td>336. Physical Education in the Secondary School</td>
<td></td>
<td>The nature, scope, and potential of physical education in today's secondary school are considered. Curriculum planning, facilities, equipment, integration and correlation of the academic presentation and physical activities in the classroom, selection of materials, teaching techniques, and the selection of suitable activities (including movement education) for the secondary grades are emphasized. Three units. Mr. Fitzgerald.</td>
</tr>
<tr>
<td>337. Administration of Secondary School Athletics</td>
<td></td>
<td>Study and discussion of the various phases of organization and administration. Administrative principles and the development of athletics in the school and community. Three units. Mr. Bowman.</td>
</tr>
</tbody>
</table>
[338. Kinesiology]
A study of muscles, joint action, the mechanics of human balance and motion and the physiology of exercise. Prerequisite: Biology 216. Four units. Mr. Wenger. (Not offered 1978-79)

400. Independent Study
This is offered to qualified seniors who have a special interest in the area of physical education and recreation. One semester. One or two units. Mr. Bowman.

## Physics

*Browsing in the periodical section of Kresge Library.*

### Requirements for Minor in Physics

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phy 131-132. General Physics</td>
<td>8</td>
</tr>
<tr>
<td>Physics electives</td>
<td>*12</td>
</tr>
</tbody>
</table>

*If the core requirement in laboratory science is met by an 8-unit sequence in a science other than physics this may be reduced to 8 units.

### Dual Degree Program with Georgia Institute of Technology

This five-year program leads to a B.A. from Covenant and a B.S. in Physics from Georgia Tech. The program includes three years at Covenant College and two years at Georgia Institute of Technology. Candidates who follow the program outlined below are eligible to seek the degree of Bachelor of Science in Physics from the General College of Georgia Institute of Technology. In the case of highly qualified students the Georgia Institute of Technology degree may be at the master’s level.

### Requirements for Major in Natural Science Concentration in Physics

*Core requirements (Details, including alternative courses, are given on page 12)*

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>Bib 142 or 148. New Testament</td>
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<td>4</td>
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<tr>
<td>Soc 141. Principles of Sociology or</td>
<td></td>
</tr>
</tbody>
</table>
Pre-ministerial Curriculum

The following course suggestions are proposed to serve as guidelines for pre-ministerial students at Covenant College. A student planning to enter theological seminary should consult the catalogs of the seminaries to which he may apply for their specific admissions requirements.

The Christian ministry calls for a broad acquaintance with the thought and life of our contemporary world and of our cultural heritage. It also requires a knowledge of people and an ability to communicate with them. Quite obviously it demands a thorough understanding of the Bible, the source of our message of the Gospel.

Much of the specialized knowledge for the ministry can be gained in theological seminary, but the broad foundation should be laid in college. Covenant's liberal arts curriculum is designed to help the pre-ministerial student achieve such a general background. In the core curriculum Greek, logic, and speech are recommended to fulfill the requirements.

Any one of several majors is possible for the pre-ministerial student, including Biblical studies and missions, philosophy, history, English, or psychology. The minor may be selected from any of these same fields plus sociology or education. The recommended major, however, is either the major in biblical studies and missions or the interdisciplinary program with biblical studies or missions and some combination of the field named above included.

Certain courses are strongly recommended in the pre-ministerial program: John or Romans, Theology of Missions, at least one philosophy course, History of Christianity, at least one literature course, Introduction to Music, and General Psychology. In addition to these, certain other courses are also recommended: Ethics, Genesis, Bible Seminar, all of the missions courses, Medieval and Renaissance Philosophy, Europe, 1789 to the Present, Recent American History, Europe, 1400-1789, Sociology and Psychology of Religion, Counseling and Clinical Psychology, and Principles of Teaching and Learning.

Psychology

The discipline of psychology is concerned with the critical examination of the individual behavior of humans and other life forms. The major in psychology intends to take the student through the following sequence:

1. a survey of modern psychology
2. the methods used by psychologists in the investigation and analysis of behavior
3. the theories and data of the subfields within psychology
4. opportunity for application of the information of psychology and the integration of psychology with one's personal Christian beliefs.

The courses listed below are consistent with the above sequence, namely: (1) Survey courses, (2) Methods courses, (3) Content courses, and (4) Application courses. The student should be aware that the application of psychological principles necessarily follows an understanding of the data and methods upon which these principles are based.

The student majoring in psychology may take advantage of experimental equipment for individual research projects, calculator and computer facilities for the analysis of research data, and internship opportunities at the Moccasin Bend Mental Health Institute, Chattanooga, Tennessee.

The Department of Psychology of Covenant College is committed to an academically responsible concept of the integration process. It provides opportunity for relating the discipline with an evangelical Christian world and life view. Students majoring in psychology examine contemporary viewpoints on integration relative to psychology and work towards a personal statement reflecting their efforts.

For further information about the program in psychology write or contact: Chairman, Department of Psychology, Covenant College, Lookout Mountain, Tennessee 37350.

Requirements for Major in Psychology

Core Requirements (Details, including alternative courses, are given on page 12)
Requirements for Minor in Psychology

Major and Supporting Course Requirements
Psy 100. General Psychology ....................4
Psy 200. History and Systems of Psychology  .2
CS 150. Introduction to Basic Programming ....3
Psy 304. Psychology of Learning and Memory .4
Psy 251. Elementary Statistical Methods .......4
Psy 261. Introduction to Research Methods .....6
Psy 344. Abnormal Psychology ..................4
Psy 491. Senior Seminar in Psychology ........2

Survey Courses

100. General Psychology

A general survey of the content areas of psychology. This course introduces the student to the critical examination of behavior in human and other life forms. The relationships among psychology, sociology, and anthropology will be examined, and issues arising from the course content will be examined with the purpose of formulating a Christian perspective. Topics considered include the nature of psychology, biological foundations of behavior, perception, learning and memory, language and thought, motivation and emotion, developmental psychology, altered states of consciousness, personality, social psychology, psychopathology and psychotherapy. Offered each semester. Laboratory fee: $5.00. Four units. Mr. Rulon.

200. History and Systems of Psychology

A survey of the systematic and theoretical base of psychology. Topics considered include: the nature of science, the place of psychology in science, systems of psychology: Associationism, Structuralism, Functionalism, Behaviorism, Gestalt Psychology, and Psychoanalysis. Each system is described in terms of historic background and content. Prerequisites: Psy 100. Two hours lecture. Two units. Offered spring.

Methods Courses

251. Elementary Statistical Methods

An introductory course in statistical procedures used in scientific research investigations. Topics considered include: the nature and importance of statistics, quantification, measurement, probability, elementary research design, the collection and scoring of research results, measures of central tendency and norms, correlational analysis, statistical inference, analysis of variance and the analysis of categories and ranks. Computer applications will be stressed. Prerequisite: high school algebra. Three hours lecture and two hours laboratory. Offered fall. Laboratory fee: $10.00. Four units. Mr. Sizemore.

261. Introduction to Research Methods

This course introduces the student to the process and methods of research in the social sciences. Required of all majors in psychology. Topics considered include science and the scientific approach, problems and hypotheses, variable definition, research designs, types of research and methods of observation and data collection. Using a group project format, the student formulates a research proposal and carries out the research, reporting the results in a research manuscript prepared in a form acceptable for publication. Prerequisites: Psy 200, 251 (Sociology major only 251). Four hours lecture. Offered spring. Laboratory fee: $10.00. Four units. Mr. Sizemore.

Advanced Statistical Techniques

This course supplements the Elementary Statistical Methods course, Psy 251. Topics considered include: experimental design, analysis of variance, multiple linear regression analysis, and factor analysis. Majors in psychology contemplating graduate school are strongly encouraged to take this course at least once. Computer applications will be stressed. Repeatable. Prerequisites: Psy 100, 200, 251, and 261. One hour lecture and two hours lab. Laboratory fee: $20.00. Two units. Mr. Sizemore. (Not offered 1978-79)
Content Courses

244. Social Psychology
   See Sociology 244.

303. Principles of Human Development
   A comprehensive survey of the development of the human individual from birth to death. Consideration is also given to the methods of investigation employed. Topics considered include: theories of development, prenatal and birth development, research methods, infancy, childhood, adolescence, adulthood, aging, death and disturbances in emotional, social, and moral development. Prerequisite: Psy 100. Three hours lecture and laboratory. Four units. Mr. Rulon.

304. Psychology of Learning and Memory
   A critical examination of the principal theories and research in learning and memory. Consideration is given to major positions. Rudimentary types of learning in the forms of classical and instrumental conditioning are considered as well as verbal learning and memory. Topics considered include: learning and behavior, theories of learning, experimental methods, verbal learning and memory, transfer of learning, and behavior modification. Prerequisite: Psy 100, 200, 251, and 261. Three hours lecture, plus lab. Offered fall. Laboratory fee: $10.00. Four units. Mr. Rulon.

331. Psychology of Personality
   A critical examination of the historical and contemporary theorists in the study of human personality. Theorists considered include Freud, Jung, Adler, Allport, Cattell, Dollard, and Miller, Rogers, Maslow, Frank, and Ellis, as well as others. The student, in considering these theorists, is challenged to develop a basic personal view of personality. The course emphasizes the psychologically responsible integration of the religious and psychological dimensions of the human personality. Prerequisite: Psy 100, 200, 251, and 261. Three hours lecture, plus lab. Offered fall. Four units. Mr. Rulon. (Not offered 1978-79)

344. Abnormal Psychology
   This course examines behavior classified as abnormal by the American Psychiatric Association and the World Health Organization. Class content will focus on the clinical description, causes, prognosis, and treatment of abnormal behavior. A practicum will provide direct contact with the behavior being studied and will involve weekly participation at a mental health agency. Prerequisites: Psy 100. Three hours lecture. Offered Spring. Four units. Mr. Rulon.

373. Physiological Psychology
   An overview of the physiological approach to psychology. Topics of consideration include the internal physiological environment, the nervous system, physiological aspects of the senses, reflexes and motor organization, brain dynamics, sleep and arousal, physiological considerations of motivation, emotion and learning, and physiological stress. Prerequisites: Psy 100, 200. Three hours lecture, plus lab. Laboratory fee: $10.00. Four units. Mr. Rulon.

402. Special Topics in Psychology
   This course represents a loosely structured outlet for topics of interest in the discipline. A variety of subjects related to psychology are offered. Topics previously offered include sleep and dreaming, factor analysis, and religious behavior. The particular topic offered is based upon student interest and demand. Prerequisites: junior standing, psychology major, or permission of the instructor. Repeatable. One to four units. Staff.

443. Counseling and Clinical Psychology
   A comprehensive assessment of the procedures and techniques used by clinical and counseling psychologists. Topics include the historical development of clinical psychology, diagnosis and personality assessment, the clinical interview and case study, clinical testing, the psychotherapeutic function, variations in psychotherapy, behavioral therapies, group and play therapy, community psychology and mental health, and professional problems and developments. Prerequisites: Psy 100, 200, 251, and 261, or permission of instructor. Four units. Mr. Cummer. (Not offered 1978-79)

Application Courses

222. Educational Psychology
   See Education 222.

353. Psychological Testing
   A comprehensive survey of the construction and use of psychological tests. Topics considered include functions and origins of psychological testing, the nature and use of psychological tests, the interpretation of test scores, reliability and validity, item analysis, the measurement of intelligence, aptitude and achievement tests, vocational and personality tests, attitude and interest inventories, projective techniques, and the social implications of test results. Periodic laboratory experiences will be offered. Prerequisites: Psy 100, 200, 251 and 261, or permission of the instructor. Four units. Mr. Sizemore.

444. Practicum in Psychology
   The practicum is divided into two categories: Research and Internship. Prerequisite for either section: Psychology major, junior standing. Offered each semester. Two to six units. Staff.

Research
   Students enrolling in the course with this heading pursue an independent research project under the direction of a department faculty member. The student is encouraged to make use of available resources within the department. Each student develops a report of the research completed that is suitable for publication.

Internship
   Students interested in the counseling and clinical aspects of psychology are placed in volunteer positions with the Moccasin Bend Psychiatric Hospital or other agencies. Students have weekly interaction sessions with the internship coordinator. An effort is made to make the student aware of the discipline in its applied setting.

491. Senior Seminar in Psychology
   A required course of all graduating seniors majoring in psychology. This course examines the various contemporary approaches to the integration of the academic discipline of psychology and evangelical Christian thought. A systematic review of the available literature is considered. Students will develop an understanding of current viewpoints and discuss possible strategies for integration. Prerequisites: graduating senior majoring in psychology. May be taken twice. One two-hour meeting per week. Offered spring. Two units. Staff.
Core Course: Sociology 141. Principles of Sociology

Social Interaction
Soc 244. Social Psychology
Soc 344. Social Psychology of Groups
Soc 348. Readings in Marriage and Family Counseling

Social Concerns
Soc 241. Social Problems
Soc 246. Crime and Delinquency
Soc 345. Dynamics of Social Change

Social Institutions
Soc 341. The Family
Soc 342. Sociology and Psychology of Religion
Soc 343. Sociology of Health

Credit toward the major will also be given those successfully completing Soc 329. Cultural Anthropology and/or Soc 250. Introduction to Social Work.
political orders, etc. The concepts of cultural relativity and ethnocentrism will be emphasized with personal application to the student's own perspective. Three units. (Not offered 1978-79)

241. Social Problems
A general survey of the major problems that confront contemporary society. Three general problem areas will be considered: transitional problems such as overpopulation, environmental concerns, and the changing cities; problems of inequality such as poverty, minority groups, and differential sex role treatment; and problems of deviant behavior such as crime, mental disorders, and drug abuse. Three units.

244. Social Psychology
A general study of interpersonal behavior within the context of modern society. Topics and research in the areas of interpersonal attraction, aggression, social influence, and attitude formation will be discussed. The major theories in social psychology will be considered. Attention will be given to the relationship of social psychological principles to one's own interactions with others. Three units.

246. Crime and Delinquency
An analysis of the causes, incidence, and consequences of crime in modern society. Attention will be given to specific forms of crime as well as contemporary methods of dealing with crime, such as prevention, treatment, and rehabilitation procedures. Three units. (Not offered 1978-79)

250. Introduction to Social Work
An introductory course dealing with the dynamics of social work, focusing on basic concepts, considerations, treatment, and the problem-solving process. Careful consideration will be given to the process of social work, diagnosis and treatment, the social history, evaluation of some of the literature, and the exploration of resources. In addition, a discussion of the interview procedure, counseling techniques, and a visit to a local social work agency will be included. Three units. (Not offered 1978-79)

251. Elementary Statistical Methods
See Psychology 251.

261. Introduction to Research Methods
See Psychology 261.

341. The Family
An analysis of current theory and research in respect to the three major areas of the course: dating, marriage, and the family. Topics to be covered include predictive factors of marital success, current alternatives to marriage, the two career family, and recent Christian approaches to the family. Three units. Mr. Muller.

342. Sociology and Psychology of Religion
A study of religion from the perspective of sociology and psychology rather than theology. Attention will be given to such topics as the dimensions of religiosity, religious socialization, civil religion in America, the secularization controversy, and the future of religion. Prerequisite: Soc 141. Three units. Mr. Muller.

[343. Sociology of Health]
A study of social factors as they relate to illness. Attention will be given to the way in which social factors are etiologically related to illness as well as the way sociology can help understand the health institution such as the doctor-patient relationship and the delivery of health care services. Prerequisite: Soc 141. Three units. Mr. Muller. (Not offered 1978-79)

[344. Social Psychology of Groups]
A study of the principles and dynamics of group relations with emphasis being given to such processes as decision making and problem solving. Time will also be devoted to in-class workshops to acquaint the student first hand with group interaction. The study of collective behavior will also be included. Prerequisite: Soc 244. Three units. Mr. Muller. (Not offered 1978-79)

345. Dynamics of Social Change
An analysis of the major trends and theories in social change. Topics such as innovation, diffusion, and resistance to change will be discussed. Students will be required to research and write a paper to be shared with the class in seminar format. Prerequisites: Soc 141 and 261. Three units. Mr. Muller.

348. Readings in Marriage and Family Counseling
A summer reading course requiring the successful completion of Soc 341. The Family. Readings will be both selected as well as assigned by the student in order to enhance his knowledge of the principles, theories, and techniques of current marriage and family counseling. Three units. Mr. Muller.

399. Independent Study
Special topics in sociology or anthropology.

402. History of Social Theory
A study of the development of social theory in recent western history. Theorists in the 19th century who will receive special emphasis will include Durkheim, Marx, and Weber; in the 20th century attention will be given to Sumner, Parks, Cooley, Mead, Parsons, and Merton. Prerequisite: Soc 141. Three units. Mr. Muller.

444. Practicum in Sociology
An opportunity for the student to work in a community agency bridging the gap between classroom learning and the needs and opportunities that exist within society. Prerequisite: Soc 141 and permission of the instructor. Four units.

490. Senior Seminar in Sociology
This course will consider how the student of sociology can apply his past learning in the discipline to his own life work. Special attention will be given to the relationship between the student's Christian commitment and his interest in the area(s) of social interaction, social concerns, and/or social institutions. Prerequisites: Soc 141, 251, 261, and 402. One unit. Mr. Muller.

Spanish

Core Requirements in Language

The options for fulfilling the language requirement are indicated in the description of the core curriculum on page 13. The language requirements for specific major programs should be checked with the department involved.

All students who have already begun Spanish in high school and who wish to fulfill the foreign language requirement in Spanish will be placed by an examination given at the beginning of the semester.

Requirements for Minor in Spanish

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sp 351</td>
<td>Advanced Spanish Grammar and Composition</td>
<td>3</td>
</tr>
<tr>
<td>Sp 352</td>
<td>Spanish Phonetics and Diction</td>
<td>3</td>
</tr>
<tr>
<td>Sp 353</td>
<td>Advanced Spanish Conversation and Reading Practice</td>
<td>3</td>
</tr>
<tr>
<td>Sp 354</td>
<td>Introduction to Spanish Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

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Courses in Spanish

79-80. Elementary Spanish
An introduction to the Spanish language, with extensive practice in pronunciation, simple conversation, aural comprehension, fundamentals of grammar, and reading short passages. Basic sentence patterns and grammatical principles will be reinforced through a great many oral drills and written workbook exercises. Eight units. Mr. Shaw.

[81-82. Intermediate Spanish]
Continued development of skills in speaking, understanding, reading, and writing Spanish, through an extensive review of grammar, selected reading in Spanish literature and culture, conversational practice, vocabulary development, and guided writing of compositions. Six units. Mr. Shaw. (Not offered 1978-79)

351. Advanced Spanish Grammar and Composition
A study of fine points of grammar, with extensive writing practice on informal and formal topics, to develop facility in expressing oneself correctly in written form. Prerequisite: Spanish 81-82 or equivalent. Three units. Mr. Shaw.

352. Spanish Phonetics and Diction
A detailed study of fine points of pronunciation, with extensive oral practice, to develop a more correct pronunciation and accent. Prerequisite or to be taken concurrently: Spanish 81-82 or equivalent. Three units. Mr. Shaw. (Not offered 1978-79)

353. Advanced Spanish Conversation and Reading Practice
Extensive conversational and vocabulary practice on a wide variety of topics, correlated with readings in current magazines and newspapers, to develop greater fluency and correctness in reading and in expressing oneself orally. Prerequisite or to be taken concurrently: Spanish 81-82 or equivalent. Three units. Mr. Shaw. (Not offered 1978-79)

354. Introduction to Spanish Literature
Reading of a selected series of literary works from a wide range of periods and authors, to begin to develop enjoyment in reading literature in the original language and appreciation for the richness and variety of the literature. Prerequisite: Spanish 81-82 or equivalent. Three units. Mr. Shaw.

Teacher Education Program

Requirements for Major in Elementary Education and for Elementary Certification (Grades 1-8)

Georgia T-4 Associate Professional (elementary) certification will be granted to persons who follow the program outlined below.

General Education
- ID 31. Foundations of Modern Culture .............................................. 4
- Bib 111, 113, or 129. Old Testament ............................................. 3
- Bib 142 or 148. New Testament ................................................... 3
- Bib 277-278. Christian Doctrine ................................................... 6
- Eng 11. English Composition ....................................................... 3
- Language sequence ................................................................. 6
- ID 34. Man's Creative Expression .................................................. 4
- ID 91. Philosophy of Culture ........................................................ 3
- ID 92. Senior Integration Project .................................................. 2
- Laboratory Science sequence ..................................................... 8
- Mathematics .............................................................................. 4

- His 102. Trans-Atlantic Civilization ................................................. 4
- Social Science ............................................................................ 8
- PE 51-52. Health and Physical Education ....................................... 2
- PE 55. First Aid and Personal Safety ............................................. 1

Content of Teaching Field
- Edu 323. Teaching of Language Arts in the Elementary School .......... 2
- Edu 324. Teaching of Science in the Elementary School ................. 2
- Edu 325. Teaching of Mathematics in the Elementary School ......... 2
- Edu 326. Fundamentals of Reading ................................................ 4
- Edu 335. Physical Education in the Elementary School .................. 3
- Edu 352. Music in the Elementary School ...................................... 3
- Edu 366. Literature for Children and Adolescents .......................... 3
- Edu 394. Art for Children and Adolescents ................................... 3

Professional Education
- Edu 221. Principles of Teaching and Learning ............................... 3
- Edu 222. Educational Psychology .................................................. 3
- Edu 321. Structure of Knowledge .................................................. 3
- Edu 361. Identification and Education of Elementary and Secondary Children with Special Needs ................................. 3
- Edu 412/414. Designing Teaching/Learning Models ........................ 3
- Edu 422/424. Teaching Practicum ................................................ 8

Elective (recommended in one area for departmentalized teaching situation) ................................................. 16

Requirements for Teaching Minor in Education

All prospective teachers must have a major in an academic discipline and a teaching minor in education. The teaching minor in education must include the following professional sequence:
- Edu 221. Principles of Teaching and Learning ............................... 3
- Edu 222. Educational Psychology .................................................. 3
- Edu 321. Structure of Knowledge .................................................. 3
- Edu 361. Identification and Education of Elementary and Secondary Children with Special Needs ................................. 3
The requirements for eligibility are:

- Declared eligible before enrolling in Edu 422/424: Teaching Practicum.

All prospective teachers must gain admission to the Teacher Education Program. Information on certification requirements in all states is available in the education office.

Requirements for Admission to the Teacher Education Program

All prospective teachers must gain admission to the Teacher Education Program before they will be allowed to enroll in Edu 321. Structure of Knowledge. Application forms are available in the teacher education office. The requirements for admission are:

1. Completion of Edu 221 with the grade of C- or better.
2. A cumulative grade-point average of 2.00 or better.
3. Completion of at least 26 semester units of credit.
4. Completion of at least one semester in residence at Covenant College.
5. A recommendation by an adult who has knowledge of the candidate’s personal qualifications.
6. A recommendation by the Office of Student Development.

Requirements for Eligibility to Student Teach

Persons desiring to student teach must formally apply and be declared eligible before enrolling in Edu 422/424: Teaching Practicum. Forms for this purpose are available in the teacher education office. The requirements for eligibility are:

1. Acceptance into the Teacher Education Program.
2. Completion of Edu 221 and 222 with the grade of C- or better.
3. A cumulative grade-point average of 2.00 or better.
4. Completion of at least 58 semester units of credit.
5. A recommendation by a professor in major discipline.
6. A recommendation by a professor under whom two or more education courses were taken.

The Professional Semester

Persons who have been admitted to the Teacher Education Program and have been approved to student teach may participate in a professional semester during their senior year. No course work other than the following will be allowed during this semester; this includes finishing any incompletes:

- 411. Preparation and Utilization of Curriculum Materials
- 412/414. Designing Teaching/Learning Models
- 422/424. Teaching Practicum

Requirements for Secondary Certification (Grades 7-12)

Georgia T-4 Associate Professional (secondary) certification will be granted to persons completing a degree program which includes a major in either biology, chemistry, English, history, or behavioral science (psychology, sociology) and a teaching minor in education. Specific course requirements are listed under each discipline.

Requirements for Certification in Music or Physical Education (Grades 1-12)

Georgia T-4 Associate Professional (music or physical education) certification may be granted to persons completing the requirements for certification listed under the separate departments.

Courses in Education

221. Principles of Teaching and Learning

This course serves as an introduction to the field of education. A Christian philosophical framework for education is developed which then serves as a basis to examine the role of the Christian teacher in both the Christian and public school, current issues in the field of education (such as testing, accountability, technology, and special education), and religion in the schools. Christian principles relating to the nature of the child, the curriculum, and the learning process are all introduced in this course. Three units.

222. Educational Psychology

The central concern of this course is the question, “How do people learn?” In answering that question, a biblical view of man, his behavior, and his relationship to learning is the starting point. Through the biblical framework, the major families of learning theory (behaviorism and cognitive-field psychology) are then examined to determine what things are acceptable and helpful to the Christian teacher. A prominent question is always, “How does this affect my teaching as a Christian?” The last part of the course emphasizes the measurement and evaluation of learning. Edu 221 should be taken as a prerequisite. Three units. Mr. Graham.

321. Structure of Knowledge (Curriculum Theory)

An introduction to epistemology in preparation for an analysis of each academic discipline to determine what is known, the manner of inquiry, and the relationship to every other discipline. A Christian world-and-life view is key to the content. Students selecting either elementary or secondary levels profit by sharing this content. They develop an understanding of the conceptual structure of the discipline and the contributions other disciplines offer to theirs. The aim is to view reality as an integrated whole rather than a collection of parts. Elements of curriculum planning and development are also considerations of this course culminating in a school curriculum guide implementing the ideas explored in analysis of the various disciplines. Three units. Mr. Graham and Mr. Bowman.

322. Teaching of Social Studies in the Elementary School

The learner demonstrates mastery of concepts of the social, political, geographical, industrial, economic, and cultural forces that operate in society, and of key factors involved in fostering understanding of these forces by children in the elementary school. Prerequisite: 222 or equivalent. Two units.

323. Teaching of Language Arts in the Elementary School

This course involves a study and evaluation of materials and techniques in teaching writing, spelling, and language. It should be taken prior to or concurrently with Edu 326. Prerequisite: 222 or equivalent. Two units.

324. Teaching of Science in the Elementary School

The learner studies instructional procedures, materials, and evaluation in teaching biological and physical sciences in the elementary school. Prerequisite: 222 or equivalent. Two units.

325. Teaching of Mathematics in the Elementary School

This course involves a study of goals, methods, materials, and evaluation of mathematics instruction in the elementary school. Prerequisite: 222 or equivalent. Two units.

326. Fundamentals of Reading

This course includes a general survey of approaches to reading and a study of some critical analyses of these approaches. Students will be involved in local schools in pre-practicum experiences. Required for elementary certification. Four units.

335. Physical Education in the Elementary School

See Physical Education 335. Required for elementary certification.

336. Physical Education in the Secondary School

See Physical Education 336.
352. Music in the Elementary School
See Music 352. Required for elementary certification.

353. Music in the Secondary School
See Music 353.

361. Identification and Education of Elementary and Secondary Children with Special Needs
A study of the definitions, characteristics, and etiological factors of the following classifications of exceptional children is presented: Mentally Retarded, Behaviorally Disordered, Physically Handicapped, Learning Disabled, and Intellectually Gifted. To aid classroom teachers in meeting the needs of these students, training is given in assessment techniques, observation procedures, and diagnostic-prescriptive teaching. Individual programs with corresponding materials and methods are developed. Three units.

366. Literature for Children and Adolescents
See English 366. Required for elementary certification.

394. Art for Children and Adolescents
See Art 394. Required for elementary certification.

411. Preparation and Utilization of Curriculum Materials
Biblical criteria with which to evaluate commercially-produced curriculum materials and competencies to produce Christian curriculum materials are developed. Students also become involved with multi-media hardware and software as it pertains to their teaching area. A multi-media product to be used with a teaching unit is developed. Prerequisite: Edu 221, 222, and 321. Three units.

412/414. Designing Teaching/Learning Models
Personal teaching approaches, techniques, and styles that reflect a Christian philosophy and view of the child are developed. Special emphasis is also placed upon the exploration of biblical interpersonal relations within the educational setting. The pre-practicum experience includes observations of and involvement with the cooperating classroom teacher with whom the student will practice teach during the final half of the semester. The content is shared by all students regardless of interest, elementary (412) or secondary (414) levels. Students register by number for certification purposes. Prerequisite: Edu 221, 222, and 321. Three units. Mr. Graham.

422/424. Teaching Practicum
The final eight weeks of the professional semester are spent in an actual teaching experience on a full-day basis. No other college course work is allowed during this period. A weekly seminar is conducted with the college supervisor. Fee: $5.00. Eight units. Staff.

Faculty

ANDERSON, Charles W., Associate Professor of Biblical Studies (1964)
S.T.M., University of the South; B.D., Faith Theological Seminary; A.B., Wheaton College

AUSTIN, A. Kenneth, Associate Professor of History (1972)
Ph.D., University of Georgia; M.A., East Tennessee State University; B.A., Gordon College; B.D., Westminster Theological Seminary

BARKER, Nicholas P., Professor of English (1966)
Ph.D. and M.A., University of Minnesota; A.B., Princeton University

BOWMAN, Walter L., Associate Professor of Physical Education (1967)
Ph.D. and M.A., Michigan State University; B.S., Gordon College

CLARK, Gordon H., Professor of Philosophy (1975)
Ph.D., University of Pennsylvania; D.D., Reformed Episcopal Seminary

CLARK, Raymond W., Assistant Professor Biblical Studies (1966)
Th.M., Trinity Evangelical Divinity School; B.D., Covenant Theological Seminary; B.R.Ed., Detroit Bible Institute

CUMMER, John P., Associate Professor of Psychology (1970)
Ed.D., Florida State University; M.S., Indiana University; A.B., Wheaton College

DAMERON, Raymond H., Associate Professor of Physics (1964)
M.S., University of Tennessee at Chattanooga; B.S., Pennsylvania Military College; M.Div., Covenant Theological Seminary

DONALDSON, Charles W., Associate Professor of Chemistry (1967)
Ph.D., University of Pennsylvania; B.S., Wheaton College

ESSENBURG, Martin, Professor of Education (1978)
Ph.D. and M.A., University of Michigan; A.B., Calvin College

FITZGERALD, Eugene F., Assistant Professor of Physical Education (1973)
M.A., Michigan State University; B.A., Gordon College

GILCHRIST, Paul R., Associate Professor of Biblical Studies (1967)
Ph.D., Dropsie College; B.D., Faith Theological Seminary; B.A., Columbia Bible College

GRAHAM, Donovan L., Associate Professor of Education (1972)
Ed.D. and M.A., New Mexico State University; B.A., University of Northern Colorado

HALVORSEN, Ira David, Associate Professor of Music (1972)
M.M., Eastman School of Music; M.A., Ohio State University; A.B., Morningside College; B.D., Grace Theological Seminary

Hamm, John, Professor of Music (1964)
Ph.D., Florida State University; M.M., Eastman School of Music; Mus.B., John Brown University

HEKMAN, Bruce A., Associate Professor of English (1974)
Ph.D., University of Illinois; M.A., University of Michigan; A.B., Calvin College

HESSEINK, Paul K., Assistant Professor of English (1972)
M.A., University of Chicago; A.B., Hope College
HOOVER, David P.  
Instructor in Philosophy (1977)  
M.A., Temple University; M. Div., Faith Theological Seminary;  
B.A., Shleton College  

HUISMAN, Gary B.  
Librarian (Associate Professor) (1966)  
M.S. in Library Science, Western Michigan University; A.B., Calvin  
College  

HURLEY, James B.  
Assistant Professor of Biblical Studies (1974)  
D.Phil., Cambridge University; B.D., Westminster Theological  
Seminary; B.A., Harvard University  

KEISTER, Jamieson C.  
Associate Professor of Physics (1970)  
Ph.D. and M.S., Georgetown University; P.E.P., Cornell University  

KELLOGG, Edward K.  
Assistant Professor of Art (1973)  
M.A. and B.A., San Diego State College  

KRABBENDAM, Hendrick  
Associate Professor Biblical Studies (1973)  
Th.D. and Th.M., Westminster Theological Seminary; B.D. (equiv.)  
and B.A. (equiv.), Theologische Hogeschool  

LOTERS, John E.  
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