COVENANT COLLEGE
Lookout Mountain, Tennessee
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STATEMENT OF PURPOSE

Covenant College is a Christian liberal-arts institution of higher education, operated by a board of trustees elected by the General Synod of the Reformed Presbyterian Church, Evangelical Synod. The college accepts the Bible as the Word of God written, and interprets it in the light of the summary contained in the Westminster Confession of Faith and Catechisms.

The purpose of Covenant College is stated in its motto—"That in all things Christ might have the preeminence" (Colossians 1:18). We serve this purpose as a college dedicated to academic excellence and to the education of the whole man, and we believe that we have the responsibility of working out the implications of Christ's preeminence in every activity of the college, whether in the classroom or not.

Specifically, we acknowledge Christ preeminent 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. It is in the light of these concepts that we define the general aims of our instructional program:

(1) to see creation as the handiwork of God and to study it with wonder and respect;
(2) to acknowledge the fallen condition of ourselves and of the rest of creation and to bring every thought and act into obedience to Christ, reclaiming the creation for God and redirecting it for the service of God and man;
(3) to receive the many valuable insights into the structure of reality, provided by the good hand of God through men of learning in every age, and to re-form such insights according to the Word of God;
(4) to confront each member of the college community with his personal responsibility for performing these tasks in every area of his life.

A student at Covenant College should be able to demonstrate his ability:

(1) to articulate in speaking and writing his thinking in each area of study he pursues;
(2) to use the Bible meaningfully in every area of life;
(3) to pursue methods of inquiry valid to each area of study and, through this pursuit, acquire a measure of content within the natural sciences, the social sciences, and the humanities;
(4) to participate in a variety of activities (sports, clubs, etc.);
(5) to apply his studies to the needs of contemporary society.
FACULTY, ADMINISTRATION, STAFF, AND BOARD

Faculty
(Year in parenthesis indicates date of joining Covenant's faculty)

ANDERSON, Charles W., Associate Professor of Bible (1964)
Th.M. (to be awarded), 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., Associate Professor of English (1966)
Ph.D. and M.A., University of Minnesota; A.B., Princeton University

BARNES, Marion D., Professor of Chemistry (1965)
Ph.D. and A.M., Columbia University; B.S., University of Arkansas; LL.D., Wheaton College

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

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

CUMMER, John P., Associate Professor of Education (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; B.D., Covenant Theological Seminary

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

FENNEMA, John E., Assistant Professor of Education (1971)
M.A., Florida Atlantic University; B.A., Calvin College

GILCHRIST, Paul R., Associate Professor of Bible (1967)
Ph.D., Dropsie College; B.D., Faith Theological Seminary; B.A., Columbia Bible College
GRAHAM, Donovan L., Instructor in Education (1972)
   Ed.D. candidate and M.A., New Mexico State University; B.A., University of Northern Colorado

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

HESSELINK, Paul K., Assistant Professor of English (1972)
   Ph.D. candidate and M.A., University of Chicago; A.B., Hope College

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

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

LOOTHERS, John E., Associate Professor of Biology (1966)
   Ph.D., University of Kansas; M.S., Kansas State University; B.S., Oklahoma State University

MAWHINNEY, Allen, Instructor in Greek (1972)
   B.D., Westminster Theological Seminary; B.A., William Jennings Bryan College

McLELLAND, Reginald F., Assistant Professor of Philosophy (1972)
   Ph.D. candidate and M.A., University of Georgia; A.B., Western Carolina College

MULLER, John S., Assistant Professor of Sociology and Psychology (1971)
   Ph.D. and M.S., Florida State University; B.A., Covenant College; B.D., Westminster Theological Seminary

NUERMBERGER, Robert M., Associate Professor of Psychology (1967)
   Ph.D., Michigan State University; A.B., Houghton College; B.D., Westminster Theological Seminary

PARKER, Craig A., Assistant Professor of Music (1972)
   M.A. and B.A., Western Washington State College

SANDERSON, John W., Jr., Professor of Philosophy (1963)
   (on sabbatical leave, spring 1973)
   A.M., University of Pennsylvania; A.B., Wheaton College; S.T.M. and B.D., Faith Theological Seminary; D.D., Geneva College

SCHMIDT, Collyn F., Assistant Professor of Nursing Education (1959)
   M.S., Washington University; B.S. and R.N., University of Iowa; M.R.E., Faith Theological Seminary
SCHMIDT, Rudolph F., Assistant Professor of History (1955)
M.A.T., University of Tennessee at Chattanooga; A.B., Highland College

SLENKER, Marilyn K., Assistant Librarian (1970)
M.A. in Library Science, University of Iowa; B.A., Shelton College

STEENSMA, Geraldine J., Associate Professor of Education (1968)
M.A., Columbia University Teacher's College; B.S. in Education, Slippery Rock State College

VANDER ARK, Nelle A., Associate Professor of English (1969)
A.M., University of Michigan; A.B., Calvin College

VOSKUIL, Louis J., Associate Professor of History (1972)
Ph.D. candidate and M.A., Loyola University; A.B., Calvin College; B.D., Westminster Theological Seminary

WEISE, Heidi V., Instructor in Modern Languages (1972)
M.A.T., Fairleigh Dickinson University; B.A., The King's College

WENGER, Jerome D., Assistant Professor of Biology (1972)
Ph.D. candidate, University of Arkansas; M.A. and B.S., Western Michigan University

YOUNG, John M. L., Professor of Bible and Missions (1967)
Th.M., Calvin Theological Seminary; B.D., Faith Theological Seminary; A.M. and A.B., Acadia University; D.D., Covenant Theological Seminary

ASSISTANTS: Joel Belz, M.A. (University of Iowa), Communications; George A. Hopson, B.A. (Covenant College), Physical Education; Jane B. Young, M.A. (Texas Women's University), English,

Administration

President: Marion D. Barnes, Ph.D., LL. D.
Dean of the Faculty: Nicholas P. Barker, Ph.D.
Dean of Students: John P. Cummer, Ed.D.
Vice President of Business Affairs: John H. Barnes, M.B.A. (to be awarded)
Director of Development: C. Don Darling, M.A., B.D.
Chaplain: John MacGregor, B.D., B.A.
Assistant Dean of the Faculty: Charles W. Donaldson, Ph.D.
Registrar and Director of Admissions: Rudolph F. Schmidt, M.A.T.
Associate Dean of Students: Collyn F. Schmidt, M.S., M.R.E.
Associate Dean of Students: Donovan L. Graham, Ed.D. candidate
Full-time College Staff

Burdett, G. Craig—Manager of Accounting
Cochran, Patricia—College Nurse
Crooks, Phyllis—Assistant Manager of Accounting
Dotts, Raymond—Superintendent of Buildings and Grounds
Fretts, Robert J.—Student Work Coordinator
Grady, Ruth—Office Services Clerk
Graf, William, Jr.—Director of Engineering
Harrison, Rosemary—Library Clerk
Lykins, Mary Lynn—Secretary to Vice President of Business Affairs
MacGregor, Jane—College Hostess
McKinley, Ruth—Development Coordinator
Meffert, Shirley J.—Secretary to the President
Melton, Jennifer—Recruiting Office Secretary
Moore, Fern—Secretary to Director of Admissions and to Dean of Faculty
Moore, John—Supervisor of Maintenance and Operations
Morris, Linda—Supervisor of Housekeeping
Myers, Warren—College Recruiter
Sims, Marie—Manager of Office Services
Sims, Willard—Supervisor of Grounds and Equipment
Steenma, Richard—Manager of Development Functions
Wetzel, Arline—Assistant to the Deans

Part-time College Staff

Browning, Tim—Assistant to Supervisor of Maintenance and Operations
Massey, Lamar—Grounds Maintenance Man

Board of Trustees

CLASS OF 1973

MAX E. BROWN—District Sales Manager, Detrex Chemical Industries, Inc., St. Louis, Missouri
THOMAS G. CROSS—Pastor, Mitchell Road Presbyterian Church, Greenville, South Carolina. A.B., Hampden-Sydney College; B.D., Faith Theological Seminary; D.D., Covenant Theological Seminary
RICHARD W. GRAY—Pastor, Calvary Reformed Presbyterian Church, Willow Grove, Pennsylvania. A.B., Wheaton College; B.D., Westminster Theological Seminary; D.D., Wheaton College
JOHN LOEKS—Attorney-at-Law, Grand Rapids, Michigan. A.B., Wheaton College; J.D., University of Michigan
RAYMOND REITER—Owner and Manager, Book Mart, Kearney, Nebraska
WILLIAM P. SHAY—Production Manager, Garlock, Inc., Plastics Division, Camden, New Jersey
EARL WITMER—Branch Manager, Equity Funding Corporation, Grand Rapids, Michigan

CLASS OF 1974

MARK BELZ—Attorney-at-Law, Cedar Rapids, Iowa. B.A., Covenant College; J.D., University of Iowa
K. RAY CRAWFORD—Insurance Agent, K. Ray Crawford Agency, Pittsburgh, Pennsyl-
vania
JAMES J. KAUFMANN—Electrical Engineer, Huntsville, Alabama. B.S.E.E., Purdue
University
DANIEL E. McELWAIN—Assistant Vice President and Office Manager, The York Bank
and Trust Company, York, Pennsylvania
P. ROBERT PALMER—Pastor, Covenant Presbyterian Church, Naples, Florida. A.B.,
Wheaton College; B.D., Covenant Theological Seminary
VERNON C. PIERCE, Chairman—W. R. Grace & Co., New York, New York. B.S.,
Wheaton College; M.S., Brooklyn Polytechnic Institute
R.P. ROBBINS—Design Engineer, FMC Corporation, Lakeland, Florida
JEFF STEINERT—Vice-President for Business and Finance, Duke University Medical
Center, Durham, North Carolina

CLASS OF 1975
JAMES L. ALSTON—General Surgeon, Memphis, Tennessee. M.D., University of
Tennessee Medical School. Member, American Board of Surgery, American College of
Surgeons
FRANKLIN S. DYRNESS—President and Administrator, The Quarryville Presbyterian
Home, Quarryville, Pennsylvania. B.S., Wheaton College; B.D., Westminster Theolo-
gical Seminary; D.D., Wheaton College
GRAHAM D. GUTCHE—Physicist, U.S. Naval Academy, Annapolis, Maryland. B.S.,
University of Colorado; M.S., University of Minnesota; Ph.D., Catholic University of
America
WILLIAM A. MAHLOW—General Secretary, World Presbyterian Missions Inc. A.B.,
Princeton University; B.D., Faith Theological Seminary
ROBERT G. RAYBURN—President, Covenant Theological Seminary, St. Louis, Missouri.
A.B., Wheaton College; Th.B. and Th.M., Presbyterian Theological Seminary of
Omaha; Th.D., Dallas Theological Seminary
DONALD A. SEMISCH, Esq.—Attorney-at-Law, Willow Grove, Pennsylvania. A.B.,
Wheaton College; LL.B., University of Pennsylvania Law School
DONALD STANTON—Pastor, Bethel Orthodox Presbyterian Church, Oostburg, Wis-
consin. B.D., Westminster Theological Seminary
WALTER A. WALSTRUM—Plant Superintendent, N.V.F. Company, Newark, Delaware

GENERAL INFORMATION

The Lord Jesus Christ prayed to the Father concerning His disciples, "I have
given them Thy word; and the world has hated them, because they are not of
the world, even as I am not of the world. I do not ask thee to take them out
of the world, but to keep them from the evil one. They are not of the world,
even as I am not of the world. Sanctify them in the Truth; Thy word is Truth.
As thou didst send me into the world, I also have sent them into the world."

Covenant College exists to help produce these distinctive traits of disciples:
like Jesus, not of the world; like Jesus, into the world. As the Apostle Paul
wrote to the Philippians, Christians have their citizenship in heaven; but as he
also wrote to the Corinthians, this does not mean that we must go out of this
world. Too frequently Christians have tried to remove themselves from the
world only to find that their spirit is no less worldly.
Founded in 1955 by the Reformed Presbyterian Church, Evangelical Synod and established in 1964 on Lookout Mountain in the northwest corner of Georgia, overlooking Chattanooga, Tennessee, Covenant represents total commitment to Jesus Christ and His Kingdom and the extension of that kingdom into all the world and into every facet of the world’s God-appointed activity, including the understanding and development of the natural creation, the producing of constructive social relationships in business, home, school, and state, and the cultivation of the arts.

The achievement of these ends, Covenant believes, is best realized through liberal-arts education based on the Bible, the written word of God. The aim is to provide a community of Christian scholars that will enable faculty, students, and graduates to glorify and enjoy God to the fullest and thus to achieve man’s chief end while loving God with all our heart, soul, mind, and strength and loving our neighbors as ourselves.

Campus

Covenant’s campus provides many of the features which educators elsewhere are seeking—proximity of learning to living environment, intimacy of fellowship among students and faculty, unity of spiritual, intellectual, and physical development. Until this year nearly all classrooms, residence halls, dining facilities, and chapel have been located in one large building, Carter Hall. The completion of a residence hall for men, a new physical education building, and the new Kresge Library in 1972 enhances these features by providing specialized facilities which contribute to a unified sense of purpose.

Library

As the Bible itself is a library, so a college library is the focal point of the Christian scholar’s pursuit of learning. Covenant’s collection now exceeds 50,000 items, including the new Encyclopedia Britannica ultra-microfiche collection on American civilization.

The library collection will be housed, after September 1972, in the striking new Anna E. Kresge Library near the center of the campus. The spacious building features 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.

Practical Work

Learning is to be pursued not only in books, but also in practical experience. Christianity has established the dignity of labor, and the Reformed faith in particular has emphasized the duty of man to serve God in a variety of callings, including the high privilege of cultivating God’s creation as a part of
Christ's kingdom work. For this reason, every student is engaged in 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.

**Christian Service**

Covenant's education thus is designed to be not merely theoretical. While Christ's disciples needed thorough instruction to prepare them for the fullest possible service, this preparation was not divorced from opportunities for service itself. Under the Student Council, a Christian Service Council seeks to provide opportunity for all students to be active in gospel teams, Bible classes, musical testimony, and social work. One's service to Christ and one's neighbor can also be developed in a variety of extracurricular activities described in a separate section of this catalog. In addition, the entire college community regularly assembles for worship in a daily chapel service of one-half hour.

**Standards of Conduct**

**The Principles:**

Two convictions give substance and direction to the standards of conduct at Covenant College:

— the implication of Christ's preeminence must be worked out in all areas of our lives.

— a sovereign and living God has communicated propositional truth to us.

Put together, these two convictions mean that we must confront one another with the authority of God's propositional truth in a spirit of loving concern, judging our every act and decision by asking ourselves: Is Christ honored by this?

The standards of conduct, summarized here and fully stated in the Student Handbook, represent our effort to apply Biblical principles to problems inherent in a community of Christian scholars. Their object is to provide an atmosphere conducive to spiritual, social and physical growth.

We emphasize **accountability**. Before God, we must give account for what we do with our minds, our bodies, our time. Wasting or abusing any of these dishonors the God who also committed them to our keeping.

We also emphasize **fellowship**. Fellowship, first of all with God; secondly, with our brothers and sisters in Christ. That which breaks or strains either dimension of fellowship must be avoided or, where necessary, prohibited.

When many people come together to live in any sizeable community, it becomes necessary to adopt certain regulations which would not be necessary if a person were to live alone or with only a few others. A person voluntarily joining a community commits himself to following its regulations. Full community participation implies thinking carefully and critically about those regulations and participating in framing changes when change is needed. Cove-
nant College students are expected to exercise both aspects of community participation: compliance with existing regulations and participation in discussion concerning needed change.

The Specific Regulations:
The act of registration is considered a pledge on the part of the student to abide by College rules and regulations. Specifically, students are required to seek in all things to live in conformity to the moral law of God as set forth in the word of God, and, secondarily, to abstain from alcoholic liquors, smoking or any use of tobacco, social dancing, gambling, and any illegal use of drugs or narcotics.

Because motion picture attendance is an area in which students must often make difficult choices, the Dean of Students, Faculty Advisers, and Student Government regard it as their responsibility to counsel students concerning the principles which should guide them in their selections. This counseling responsibility is considered to be one of education, guidance and admonition; not one of legislation.

Details of these basic regulations and all others are given in the Student Handbook which is revised annually and provided to every student.

Cars on Campus
All students who bring motor vehicles to the campus must register the vehicle with the business office during the first week of each semester and must display the identifying sticker obtainable upon payment of the auto registration fee (see Financial Information, Fees and Expenses).

All students are required to show proof of adequate insurance coverage before they will be allowed to use their cars on campus.

Parking violations on campus drives and parking lots are penalized by fines which are collected by the business office.

ACADEMIC INFORMATION

Accreditation
Covenant College is fully accredited, having been elected as a member of the Southern Association of Colleges and Schools on December 1, 1971.

Admission
A student is admitted to Covenant College by certificate from his secondary school, by transfer, or, in special cases, by examination. The Admissions Committee, in evaluating the records of the applicants, seeks to select students who give evidence of possessing the particular 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. This means that a student must be an evangelical Christian, offering a credible profession of faith in Jesus Christ as Savior and Lord. Applicants 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 was approved for nonimmigrant students on September 23, 1956, by the District Director of the Immigration and Naturalization Service. Covenant College is also approved for the training of ex service personnel under public laws. Covenant College meets the criteria established by the United States Office of Education for listing in its Higher Education directory.

**Application for Admission.** Application for admission must be made on the official form obtainable from the Director of Admissions. A fee of fifteen dollars must accompany each application. This fee is not refundable, since it covers only the expense of processing an application, evaluating credentials, and establishing a permanent record. The student should request his secondary school to send its official transcript of his record directly to the Admissions Office, and a transfer student should also request official transcripts to be sent directly to the Admissions Office from any college or other educational institution in which he has earned credits. Scores for the Scholastic Aptitude Test (SAT) must be forwarded to the Admissions Office. The code number for Covenant College is 6124 for SAT scores.

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:

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<th>Subject</th>
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<tr>
<td>English</td>
<td>3 or 4</td>
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<tr>
<td>Mathematics (algebra, trigonometry, geometry)</td>
<td>2</td>
</tr>
<tr>
<td>One foreign language</td>
<td>2</td>
</tr>
<tr>
<td>History and social studies</td>
<td>2</td>
</tr>
<tr>
<td>Natural science</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>4 or 3</td>
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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 repre-
senting a normal four-year course of study, provided they present above average marks and national test scores.

Honorable discharge personnel who attain a satisfactory score on the General Education Development Tests administered in the service may also be admitted. Students enrolled in college-level Advanced Placement Program courses in secondary school will be given college credit for courses in which they earn scores of 4 or 5 on the Advanced Placement Examinations.

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 grade no lower than a C, ordinarily be granted transfer credit. 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.

No student admitted from another institution will be eligible for graduation from Covenant College until he has completed a minimum of 30 academic units 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 credit 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 without tuition charge. All permissions and registrations for auditing courses shall be filed in the Registrar’s Office.

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 tradi-
tions, 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, permissions 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.

**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 express permission of the Registrar. A student may not withdraw from a course after the end of the fifth week without receiving an F for the course, except in cases of medical or other emergencies certified by the Registrar. 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 71.

**Testing Program**

During the orientation period in the fall all entering freshmen are required to take the Covenant College placement tests. Students with low scores will be required to take reduced academic loads. Modern language study done in secondary school will be evaluated by testing, and credit and placement toward fulfillment of Covenant's language requirement will be determined accordingly.

**Scholastic Standards**

One of the criteria for the granting of the Bachelor of Arts and the Bachelor of Music 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 fifty-five 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.

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 effect of the previous mark in the course.
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 certified by the Registrar. Any course work not completed within the semester for reasons other than certified medical or other emergencies will be considered as F and included by the instructor in the computation of the final mark.

For Independent Study courses the grades assigned are H (four grade points), P (two grade points), or F (no grade point).

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 the successful repeating of Teaching Practicum).

The academic standing of all students is reported to the Dean of Students at the middle of each semester.

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 turning in to any faculty member, in any course, material that is unsatisfactory in its writing will be referred to the chairman of the English department for corrective work.

Probation and Suspension. A student whose cumulative grade-point average is unsatisfactory will be placed on academic probation, a warning that the student is not making satisfactory progress toward a degree. When a student's cumulative grade-point average is below certain levels set by the faculty for the various classes, indicating that his ability to graduate is in jeopardy, he will be suspended with the right to appeal through the Registrar. Specific regulations will be found in the Student Handbook.
Absence and Tardiness. All students are expected to attend classes and chapel regularly. Absence from classes in any course will affect the quality of work in the course and ultimately affect the student's academic standing. The specific regulations concerning absences are printed in the Student Handbook.

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 continuously since their freshman year or whose cumulative grade-point average is 3.50 will be excused from second semester final examinations.

Students who maintain a grade-point average of 3.50 throughout their 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 at least two full years to qualify for graduation honors.

General Requirements for Graduation

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. The payment of all bills and the return of all equipment and library books.

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. The payment of all bills and the return of all equipment and library books.

Specific Requirements for Graduation

Because the faculty believes that a liberal arts education should be broad and inclusive, involving the student with ideas and values of continuing concern and providing him with historical and spiritual perspectives against which to view the complex problems of our society, the college has set a number of basic requirements for graduation.

Core Courses. Certain courses are required of all students, except those in special programs:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>31-32. Foundations of Modern Culture</td>
<td>8</td>
</tr>
<tr>
<td>81-82. Christian Doctrine</td>
<td>6</td>
</tr>
<tr>
<td>91-92. Philosophy of Christian Faith</td>
<td>4</td>
</tr>
<tr>
<td>51-52. Physical Education and 55. First Aid Health</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

Other core courses may be by-passed through testing for advanced placement as certified by the Registrar and the appropriate department:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English composition or Speech</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics or Logic</td>
<td>3</td>
</tr>
<tr>
<td>Old Testament and New Testament</td>
<td>6</td>
</tr>
<tr>
<td>Foreign language sequence</td>
<td>up to 14 hours</td>
</tr>
<tr>
<td></td>
<td>up to 26 hours</td>
</tr>
</tbody>
</table>

Options for fulfilling the core foreign language requirement:

a) foreign language sequence up to 14 hours (intermediate level);
b) an English language sequence of four courses including one or two of the following courses: 1) Linguistics, 2) Philosophy and Language, 3) The English Language, and two or three courses of translated literature, one of which will usually be in the Classics;
c) one year each of two elementary-level foreign languages;
d) one year of elementary foreign language and two courses in linguistics and/or literature in translation. Departmental requirements should be checked as different major programs may call for various language requirements.

Distribution requirements:

| I. The Natural Creation: Laboratory Science   | 8       |
| II. Man in Society: Social Science—psychology, social science and/or history | any 3   |
| III. The Meaning of Life: God and the Humanities—history, philosophy, Bible and/or literature | any 3   |
IV. Creative Man: The Arts—literature and/or music any 3

<p>| | |</p>
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<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Total</td>
<td>17</td>
</tr>
<tr>
<td>Grand Total</td>
<td>37 to 63</td>
</tr>
</tbody>
</table>

(History courses cannot be used to fulfill the distribution requirement in both II and III; courses in literature cannot be used to fulfill the distribution requirement in both III and IV. Courses in the major or minor used for core or distribution requirements cannot also be used for credit in the major or minor.)

**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. The resulting total number of hours comes to 73-99, leaving the possibility of 27-53 hours of electives to achieve the 126 hours required for graduation.

**Freshman:**
- English Composition or Speech 3
- Logic or Mathematics 3
- Foundations of Modern Culture 4 4
- Bible 3 3
- Physical Education ½ ½
- Distribution courses and/or electives 6 6

16½ 16½

**Sophomore:**
- Christian Doctrine 3 3
- Foreign Language 4 4
- First Aid 1
- Distribution Courses and/or Electives 9 9

17 16

**Junior:**
- Philosophy of the Christian Faith 2
- Foreign Language 3 3
- Major and Minor Course Requirements and Electives 12 10

15 15

**Senior:**
- Philosophy of the Christian Faith 2
- Major and Minor Course Requirements and Electives 13 15

15 15

A student electing foreign language as a freshman would probably delay science until his sophomore or junior year. A student planning concentration in mathematics, physics, or chemistry, will register for Mathematics 151-152 as a freshman.
A student planning a music major will register for Applied Music as a freshman. Majors in natural sciences and in the music programs, as well as the programs in education and in nursing, call for careful planning from the freshman year in order to assure fulfillment of all requirements and prerequisites. Be sure to see the specific requirements under the appropriate departments.

**Summer Session**

Certain core courses and some other courses are ordinarily offered during a summer session of six weeks’ duration. Undergraduate students from Covenant College or from other institutions will be welcomed for a limited number of courses which are offered on the basis of demand. This not only provides opportunity for students currently enrolled in the college to make up deficiencies, earn extra credit, or take required units in order to lighten their loads during the regular semesters; it also offers an opportunity for students enrolled in secular colleges and universities to obtain distinctively Christian instruction.

The summer school also meets the needs of high school graduates who are deficient in requirements for college admission or for Covenant College students on academic probation. A maximum of six hours’ credit may be earned during the summer session.

**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, in the Covenant-Crosscounter Urban Field College in Newark, New Jersey, and in the American Institute of Holy Land Studies on Mount Zion, Jerusalem, Israel. Up to 12 semester hours may be earned with l’Abri or with Crosscounter and up to 16 semester-hours (24 quarter hours) in the Holy Land. Ordinarily only juniors or second semester sophomores may apply, and certain qualifications must be met. 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. Course numbers 399 and 400 are designated for independent study.
Major Programs

Covenant’s curriculum is organized under six departments: Bible, Missions, and Philosophy; History and Social Sciences; Languages and Literature; Music; Natural Sciences and Mathematics; and Psychology and Education. In addition a special committee supervises Inter-Disciplinary Studies.

<table>
<thead>
<tr>
<th>MAJOR PROGRAMS</th>
<th>MINOR PROGRAMS</th>
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</thead>
<tbody>
<tr>
<td>Bible and Missions</td>
<td>Bible and Missions</td>
</tr>
<tr>
<td>Philosophy</td>
<td>Philosophy</td>
</tr>
<tr>
<td>History</td>
<td>History</td>
</tr>
<tr>
<td>English</td>
<td>Sociology</td>
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<tr>
<td>Music</td>
<td>English</td>
</tr>
<tr>
<td>Applied Music</td>
<td>Music</td>
</tr>
<tr>
<td>Music Education</td>
<td>Biology</td>
</tr>
<tr>
<td>Biology</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Natural Science (with concentration in biology, chemistry, mathematics, or physics)</td>
<td>Physics</td>
</tr>
<tr>
<td>Medical Technology</td>
<td>Psychology</td>
</tr>
<tr>
<td>Psychology</td>
<td>Education</td>
</tr>
<tr>
<td>Inter-Disciplinary Studies</td>
<td>Physical Education</td>
</tr>
</tbody>
</table>

For specific major and minor requirements, see descriptions under the appropriate departments.

Additional courses are offered in French, German, Greek, and nursing education.

Special Curricula for Pre-Professional Programs:
- Medical Technology (see under Department of Natural Sciences and Mathematics)
- Nursing Education (see under Department of Psychology and Education)
- Pre-Ministerial (see under Department of Bible, Missions, and Philosophy)
- Teacher Education (see under Department of Psychology and Education)
- Pre-Medicine (consult with the chairman, Department of Natural Science)
- Pre-Law (consult with the Registrar)

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 and, in general, are open only to those who have attained junior standing. In some instances sophomores, if they have the prerequisites,
may be granted permission to take an upper-division course.

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.

### BIBLE, MISSIONS, AND PHILOSOPHY

**Majors**

- Bible and Missions
- Philosophy

**Faculty**

- Mr. Anderson, Th.M., A.B.
- Mr. Clark, Th.M., B.R.Ed.
- Mr. Gilchrist, Ph.D., B.D.
- Mr. McLellan, M.A.
- Mr. Sanderson, A.M., S.T.M.
- Mr. Young, Th.M., A.M.

**Minors**

- Bible
- Missions
- Philosophy

**Pre-Ministerial Curriculum**

**BIBLE AND MISSIONS**

Because we believe that the Bible is the Word of God, it is our conviction that no man is truly educated who does not have a thorough knowledge of the Scripture. Jesus Christ said of himself: "I am the . . . Truth." All true education revolves around Him as its focal point. The Scriptures of the Old and New Testaments are His chief revelation of Himself to man.

The aim of this department is to ground the student in a knowledge of the Word of God, to train him in his use of the Word of God, and to increase his own personal experience of the Living Word of God. The program is intended to make the student proficient not only in the text of the English Bible but also in the theology of the Bible and, in certain advanced courses, in New Testament Greek.

The major in Bible and Missions is designed for pre-seminary students and for those who desire to prepare for active leadership in the church's teaching, missionary, and governing functions as laymen.

**Requirements for Major in Bible and Missions:** In addition to the general requirements for graduation (see page 14), the following are required for a Bible and Missions Major:
### Concentration in Bible
- **Bible “book study courses”** | 12 units
- **Bible Seminar** | 4 units
- **Missions** | 3 units
- **Any two other courses in this department (non-core)** | 6 units
  - Total: 25 units

### Concentration in Missions
- **Missions studies** | 12 units
- **Bible Seminar** | 4 units
- **Bible “book study courses”** | 6 units
- **One other course in this department** | 3 units
  - Total: 25 units

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

Students following a single major in Bible and Missions (no minor) will also take the following requirements from other disciplines:

- **History 309-310: History of Christianity** | 6 units
- **Philosophy** | 3 units
- **Psychology** | 3 units

Greek is strongly recommended for a Bible and Missions major, and the twelve units from other disciplines listed above are recommended for students following a major-minor program.

### Requirements for Minor in Bible:
- **Bible book studies** | 6 units
- **Other Bible and Missions offerings (non-core)** | 6 units
  - Total: 12 units

### COURSES IN BIBLE

#### 41. PENTATEUCH AND HISTORICAL BOOKS
A comprehensive study of the Pentateuch and the historical books of the Old Testament, 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. Clark.

#### 42. PROPHETS OF ISRAEL
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 show a good grasp of Old Testament history. Mr. Gilchrist.

#### 45. GOSPELS AND ACTS

#### 46. EPISTLES
A comprehensive study of the New Testament Epistles, both Pauline and General, with special attention to the content and backgrounds of each. Doctrines will be discussed as the context is developed. Open to students who have a grasp of the Gospels and Acts. Three units. Mr. Clark.
81-82. CHRISTIAN DOCTRINE
An introduction to the historic doctrines of the Church, based on the Westminster Confession of Faith. Discussion of methods of Bible study (hermeneutics) and evangelism will be included. Two semesters. Six units. Mr. Young, Mr. Anderson, and Mr. Clark.

212. PRE-MINISTERIAL SEMINAR
A course designed to orient the student who is seriously considering the ministry to evaluate his calling, to plan his program of study, to discuss practical problems relating to the ministry in general and to the pastorate in particular. Study papers will be assigned for presentation and discussion. Various ordained members of the faculty will be called on to share their insights and experience. Two units.

301. POETRY AND WISDOM LITERATURE
A comprehensive study of the Old Testament poetical books and wisdom literature, with emphasis on content. Matters of introduction as well as application to our present world situation will be considered. Three units. Mr. Gilchrist.

[302. DANIEL AND REVELATION]
A detailed study of the apocalyptic literature of the Bible, with comparisons to the same type of literature produced during the intertestamental period, including the Dead Sea scrolls, and an examination of various interpretations as developed in recent years. Three units. (Not offered 1972-73.)

303. 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 most important for a complete understanding of the rest of the Old Testament. Three units. Mr. Gilchrist.

304. I CORINTHIANS
A comprehensive study of I Corinthians with special emphasis on Paul’s approach to ethical problems arising in a Hellinistic congregation. Three units. Mr. Anderson.

[305. JOHN]
Criticism and questions regarding authorship, date, and purpose. Historical background, and the application of the message of John to modern life and thought with emphasis on doctrinal and ethical teaching. Three units. (Not offered 1972-73.)

306. 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. Three units. Mr. Anderson.

[307. CHRISTIAN ETHICS]
A concentrated study of Biblical ethics in context with special emphasis on the Decalogue and the doctrine of sanctification. Three units. (Not offered 1972-73.)

[308. CHRISTIAN APOLOGETICS]
A survey of various systems of Christian apologetics including study of anti-theistic theories. Three units. (Not offered 1972-73.)

311. INTRODUCTION TO PALESTINIAN ARCHEOLOGY
(See Catalogue of the American Institute of Holy Land Studies.)
321. THE BIBLICAL AND THEOLOGICAL SIGNIFICANCE OF MODERN ISRAEL
(See Catalogue of the American Institute of Holy Land Studies.)

331. HEBREW LANGUAGE COURSE
(See Catalogue of the American Institute of Holy Land Studies.)

341. PENTATEUCH AND HISTORICAL BOOKS
342. PROPHETS OF ISRAEL
345. GOSPELS AND ACTS
346. EPSTLES
   The same courses as 41, 42, 45, and 46 described above, but designed for upper-
division students who wish to take them as electives. Extra reading assignments will be
given.

347. EARLY MAN IN THE MIDDLE EAST
(See Catalogue of the American Institute of Holy Land Studies.)

348. THE IRON AGE IN PALESTINE
(See Catalogue of the American Institute of Holy Land Studies.)

349. THE GRECO-ROMAN PERIOD IN PALESTINE
(See Catalogue of the American Institute of Holy Land Studies.)

351. PHYSICAL GEOGRAPHY OF PALESTINE
(See Catalogue of the American Institute of Holy Land Studies.)

352. HISTORICAL GEOGRAPHY OF PALESTINE IN ANCIENT TIMES
(See Catalogue of the American Institute of Holy Land Studies.)

357. SEMINAR ON MIDDLE EASTERN HISTORY, GEOGRAPHY, AND PROBLEMS
(See Catalogue of the American Institute of Holy Land Studies.)

[401. GENESIS]
   An analysis of the book, with special 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. Three units. (Not offered 1972-73.)

402. ISAIAH
   A study of the prophecy of Isaiah against its historical background with special con-
sideration of the Messianic prophecies. Three units. Mr. Gilchrist.

[405. ROMANS]
   A study of the doctrinal, spiritual, and ethical values in Romans, designed to give the
student an understanding of the divine plan of salvation and a method of presenting that
plan to others. Three units. (Not offered 1972-73.)

[406. HEBREWS]
   An analysis of the book as a whole, and a consideration of its theological teaching in
relation to the fulfillment of Old Testament types. Three units. (Not offered 1972-73.)

407. SEMINAR ON CALVIN'S INSTITUTES
   A study of the theology of John Calvin as presented in his Institutes of the Christian
Religion. Three units, Mr. Clark.

411-412. BIBLE SEMINAR
   A course designed to review, supplement, and integrate the major program. Back-
ground readings in Bible history, archeology, criticism, contemporary interpretation, and theology assigned for seminar discussion. Required for Bible and Missions majors. Four units.

Requirements for Missions Minor:

| Missions courses, including 202 and 301            | 9 units |
| Other Bible or Missions course (non-core)         | 3 units |

COURSES IN MISSIONS

201. THE CHURCH'S MISSION TO THE MEDIEVAL FAR EASTERN CIVILIZATION
A study of the eastward advance of missionaries of the early, 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.

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.

[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. (Not offered 1972-73.)

[302. MISSIONARY METHODS AND PROBLEMS]
Methods of conducting the missionary effort in foreign countries will be studied in relation to such matters as communications, elenctics, identification, unacceptable accommodation, the support and government of the local churches, the problem of church and state, and various types of missionary endeavor. Three units. (Not offered 1972-73.)

[303. 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. (Not offered 1972-73.)

[304. NEW TESTAMENT MISSIONS]
A study of 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. Three units. (Not offered 1972-73.)

[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. (Not offered 1972-73.)

[402. 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. (Not offered 1972-73.)

PHILOSOPHY

One of the powers and prerogatives peculiar to man is to think. Most of the real progress in the world in every field has come through the medium of reflective thinking. When thinking becomes serious, sustained, and logical, and when it is directed towards questions of life and values, it becomes philosophy. No one has a greater responsibility to think clearly than the Christian. In order to set forth the Christian faith in a way which will answer the great problems of mankind, the Christian should be thoroughly conversant with the philosophy of the great men of all ages.

Courses in this department are especially designed both to give the pre-seminary student a proper background for later advanced work in theology and apologetics and to introduce the field of philosophy to those who, while not expecting to specialize in the field, want to learn to think clearly and to have a broader appreciation for the meaning and values of life.

Requirements for Philosophy Major: In addition to the general requirements for graduation (see page 14), the following are required for a philosophy major:

- Philosophy, upper-division courses 24 units

Requirements for Philosophy Minor: The student will take a total of 12 hours, of which at least 6 shall be elective, and up to 6 shall be required as follows if offered:

If the major is:

- Bible and missions: Medieval Thought, Ethics
- history: Philosophy of History, German Philosophy
- literature: Philosophy and Language, Aesthetics
- music: Aesthetics
- the natural sciences: Philosophy of Science; and Recent Philosophy
- or Rationalism and Empiricism
- mathematics concentration: Philosophy of Science, Recent Philosophy
- psychology: Rationalism and Empiricism; and Recent Philosophy
- or German Philosophy

COURSES IN PHILOSOPHY

22. LOGIC

An introduction to classical and modern logic with some attention to the problems of induction. The emphasis is on a proper use of inference in ordinary language and with logical symbols. Three units.
101. INTRODUCTION TO PHILOSOPHY
A course intended to introduce the student to some of the terms, problems, arguments, methods, presuppositions, and systems which have been significant in the field of philosophy. Some of the major philosophers will also be studied in connection with these aspects. Three units. Mr. McLelland.

301. ANCIENT PHILOSOPHY
From earliest beginnings to the end of Antiquity. Four units. Mr. Sanderson.

[302. MEDIEVAL AND RENAISSANCE PHILOSOPHY]
From the disciples of Augustine to Leibniz. (Not offered 1972-73.)

[303. THE PHILOSOPHY OF THE ENLIGHTENMENT]
From Locke to Kant. Four units. (Not offered 1972-73.)

[304. GERMAN PHILOSOPHY]
Kant, Fichte, and Hegel—with special attention to their influence on today's thought. Three units. (Not offered 1972-73.)

305-306. RECENT PHILOSOPHY
An examination of basic trends of post-Kantian thought. Major attention will be given to the philosophy of science. Pragmatism, Positivism, Analytic Philosophy, Phenomenology, and Existentialism. Six units. Either semester may be taken for credit. Mr. McLelland.

307. ETHICS
A study of the principal theories, classical and modern, regarding value and moral obligation. Three units. Mr. McLelland.

[308. AESTHETICS]
The clarification of terms and a discussion of proposed criteria for aesthetic judgments. Major works will be read and discussed. Three units. (Not offered 1972-73.)

[309. ADVANCED LOGIC]
The propositional calculus and general quantification theory, with some attention to practical application of these principles. Three units. (Not offered 1972-73.)

310. PHILOSOPHY AND LANGUAGE
A study and evaluation of some of the writings of those philosophers who have made important contributions regarding both the nature of different types of language and the influences of language on philosophical theories. Three units. Mr. McLelland.

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.

[402. PHILOSOPHY OF HISTORY]
A study of the nature and theory of history and of the criteria for the evaluation of historic data, including a survey of representative modern philosophies of history. Three units. (Not offered 1972-73.)

406. PHILOSOPHY OF SCIENCE
A study of the nature, scope, and limitations of scientific method and explanation
with special attention to the questions of fact and value. Major treatises will be read critically. Three units. Mr. McLelland.

407. PHILOSOPHY SEMINAR
A discussion in depth of the writings of a philosopher, or of a problem in philosophy. Students will prepare reports, read papers, and lead discussion. The area of concentration will be philosophy of law. Four units. Mr. Sanderson.

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. The sequence of geology-astronomy and evolution is recommended for fulfillment of the laboratory science requirement.

Any one of several majors is possible for the pre-ministerial student, including Bible 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 Bible and missions major or the inter-disciplinary program with Bible or missions and some combination of the fields 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: Christian Ethics, Genesis, Bible Seminar, all of the missions courses, Introduction to Philosophy, Plato, Medieval Thought, Modern World History, Renaissance and Reformation, Sociology and Psychology of Religion, Literature and Contemporary Problems, Church Counseling, and Principles of Teaching and Learning.
HISTORY AND SOCIAL SCIENCES

Major
History

Faculty
Mr. Austin, Ph.D., B.D.
Mr. Muller, Ph.D., B.D.
Mr. Schmidt, M.A.T.
Mr. Voskuil, M.A., B.D.

Minors
History
Sociology

Courses
Anthropology
Communications
Government

HISTORY

The study of history provides the student with a sense of both continuity and change. An appreciation of our cultural heritage results from a sense of the continuity of history. A sense of change in history produces an impression of the constant need for innovation and progress to meet the challenge of the present and the future. More than anything else, a historical sense of continuity and change instructs the student in the glory and wisdom of God's past and on-going providence.

It is intended that students planning to major in history take 102 Modern World History and 211-212 History of the United States, both of which deal with the more direct and intimate historical heritage of our contemporary society and both of which also incorporate some critical study of documents by the end of the sophomore year. This stage prepares for the upper-class courses, which are concerned with more definite periods of more specialized fields of European and American history and which make extensive use of source materials. History 300: Introduction to Research is to be taken in the junior year.

Requirements for History Major: In addition to the general requirements for graduation (see page 14), the following are required for a history major:

- History 102, 211-212, 300, 306 or 307 15 units
- Any four other History courses (306 or 307 recommended) 12 units
- Philosophy 402: Philosophy of History 3 units
- A history major without a minor requires all of the above plus 9 units more of history.

The student majoring in history is advised to seek competence in both American and Modern European History, with special emphasis upon one or the other.
A history major requires intermediate-level French or German or an intermediate-level language related to the student's planned graduate study, for example Greek for the pre-seminarian.

The major in history helps prepare the student for secondary school or college teaching, the Christian ministry, the legal profession, government and public life, business, or any walk of life which calls for a broad background for wise decision-making.

Requirements for History Minor:

Any 12 hours of history courses agreed upon by the student, his adviser, and the chairman of the History Department, except that at least 6 hours must be in upper-division courses.

Requirements for Teacher Certification in the State of Georgia:

History—30 semester hours which must include work in the following areas: (a) ancient and medieval, (b) modern, (c) United States, (d) Georgia, (e) historiography. Supporting work must include at least two of the following: (a) political science, (b) economics, (c) geography, (d) behavioral science—anthropology, sociology, or psychology.

COURSES IN HISTORY

102. MODERN WORLD HISTORY, 1500 TO THE PRESENT
This course is designed to give students an understanding of the major events and developments since the Renaissance focusing essentially on Europe. The impact of nationalism in Africa and Communism in Asia will also be considered. Three units. Mr. Voskuil.

211-212. HISTORY OF THE UNITED STATES
A synthesis of the political, social, economic, cultural, and religious phases of American life. First semester to 1865; second semester since 1865. Six units. Mr. Austin.

300. INTRODUCTION TO RESEARCH
A course designed for history majors in their junior year, to acquaint them with the problems and techniques of historical study, research, and writing. Three units. Mr. Austin.

302. HISTORY OF ENGLAND SINCE 1485
A survey of political, social, economic, cultural, intellectual, and religious developments in England and the British Empire from the Tudor period to the present. Three units. Mr. Voskuil.

303. ANCIENT HISTORY
The rise and spread of Greek civilization from its earliest foundations to the Hellinistic period; a study of ancient Rome from the inception of the Republic to the Germanic invasions in the fifth century, with emphasis being given to the factors of decline and ultimate collapse of the Empire. Three units. Mr. Voskuil.

[304. MEDIEVAL HISTORY]
A study of the development of the fundamental concepts and institutions of the
West after the fall of the Roman Empire. Topics will include the Germanic tribes, the impact of Islam, Byzantium and the rise of the Western monarchies. The evolution of religious, political, and cultural institutions will receive special emphasis. Three units. (Not offered 1972-73.)

[305. THE RENAISSANCE AND REFORMATION]
A survey of Europe from the beginning of the Renaissance, with emphasis on the political, social, and religious backgrounds of the culture of that era, including the modification of medieval institutions by newer forces, the growth of capitalism, and an analytical study of the Reformation era. Three units. (Not offered 1972-73.)

[306. EUROPE FROM THE REFORMATION TO WATERLOO]
A survey of the foundation of modern Europe, including the rise of nationalism and the development of parliamentary government. Three units. (Not offered 1972-73.)

307. EUROPE SINCE 1789
A survey of the economic, political, and intellectual developments in Europe, including the political and industrial revolutions; the rise of democracy, imperialism, and totalitarianism; and the courses of twentieth-century global tensions. Three units. Mr. Voskuil.

[308. RUSSIAN HISTORY]
A study of the origins and development of Russia, including the political, social, and religious aspects from early times to the present. Three units. (Not offered 1972-73.)

[309. GERMAN HISTORY]
A study of German history from the Reformation to the Second World War, with an emphasis on the modern period. The course will include such topics as the rise of Prussia, the Enlightenment, the political unification of Germany under Bismark, the First World War and its aftermath, the rise of radical parties, and a study of Hitler and the National Socialist Regime. Three units. (Not offered 1972-73.)

311-312. HISTORY OF CHRISTIANITY
First semester, a detailed study of the Church from Pentecost to the Protestant Reformation with emphasis on the problems of Church and State; second semester, from the Protestant Reformation to the present, with an explanation of the effect of the Christian society on contemporary life. Six units. Mr. Austin.

[313. ORIGINS OF THE UNITED STATES]
A study of early American history, with emphasis on the European settlement of North America, on the social and cultural development of the American community, and on the establishment of political independence at the time of the Revolution. Three units. (Not offered 1972-73.)

[319-320. THE ECONOMIC DEVELOPMENT OF THE AMERICAN NATION]
First semester: from early settlement to Reconstruction. Colonial economy, economic aspects of independence, early national development, the economy of the Civil War and its consequences for industrial growth.
Second semester: from Reconstruction to the New Frontier. Rise of industrialism and its relation to agriculture, commerce, finance, and business organization; the economy in World War I; the Depression; economic impact of World War II; economic aspects of foreign relations; the economy in mid-twentieth century. Six units. (Not offered 1972-73.)
399. INDEPENDENT STUDY
Students seeking teacher certification from the state of Georgia may study the History of Georgia independently under the direction of Mr. Fennema or the department. One, two, or three units.

401. SEMINAR IN UNITED STATES HISTORY
Intensive study of select problems of interpretation and related literature. Restricted to seniors. Three units. Mr. Austin.

[402. PHILOSOPHY OF HISTORY]
(See Philosophy 402.)

[409. CONTEMPORARY EUROPE]
From the depression of the thirties to mid-century prosperity. Origins, nature, and consequences of economic collapse; the Fascist regimes; the Stalinist system; World War II and aftermath—from chaos to reconstruction; the cold war. Three units. (Not offered 1972-73.)

[412. SEMINAR IN AMERICAN SOCIAL HISTORY SINCE THE CIVIL WAR]
An intensive study of American society since the Civil War with special attention to the development of American ideals and institutions, the problems of an industrial state, and the influence of Christianity. Contemporary problems will be examined in terms of the urban revolution, the racial issue, the challenge to traditional values, and the responsibilities of world power. Restricted to seniors. Three units. (Not offered 1972-73.)

SOCIOLOGY

Requirements for Sociology Minor:
12 hours of Sociology, including 141 and at least two other courses on campus.

Some credit may be earned by qualified students in off-campus study in the Covenant-Crosscounter Urban Field College in Newark, N.J. Details may be obtained from the Department Chairman or Registrar.

COURSES IN SOCIOLOGY

141. PRINCIPLES OF SOCIOLOGY
A general introduction to the major features of our society, including the development of urban life, industry and its problems, family and community life, the religious community. Three units. Mr. Muller.

[241. SOCIAL PROBLEMS]
A survey of the pervasive and life-cycle problems that confront contemporary society today. Special emphasis will be given to poverty, racism, and crime and delinquency. A Christian approach toward contemporary social problems will be discussed. Three units. (Not offered 1972-73.)

243. POPULATION AND SOCIETY
The study of the basic components of demography will be covered: fertility, mortality, and migration. These basic components will be examined with respect to their
impact on other social institutions. Current population problems and trends will also be considered. Three units. Mr. Muller.

244. SOCIAL PSYCHOLOGY
(See Psychology 244.)

321-322. URBAN FIELD EXPERIENCE
Field work in the inner city of Newark, N.J., in connection with the Covenant-Crosscounter Urban Field College under the direction of Rev. William T. Iverson. (See the Department Chairman or Registrar for details.) Up to six units.

323. URBAN SOCIOLOGY
In connection with the Covenant-Crosscounter Urban Field College. (See the Department Chairman or Registrar for details.) Three units.

[341. THE FAMILY]
A sociological analysis of the family, from both a historic and a contemporary perspective. Emphasis upon changes in family structure, functions, and roles with special attention being given to the Biblical conception of the family. Three units. (Not offered 1972-73.)

342. SOCIOLOGY AND PSYCHOLOGY OF RELIGION
A study of the nature and development of religions, cults, and sects as they relate to the social structure. Emphasis upon the church as a social institution, and on various patterns of religious behavior. Three units. Mr. Muller.

[343. SOCIOLOGY OF HEALTH]
A study of the social factors related to physical and mental illness. Attention given to the doctor-patient relationship, community mental health, the delivery of health care services, and a Christian perspective on mental illness. Three units. (Not offered 1972-73.)

[344. SOCIAL PSYCHOLOGY OF GROUPS]
(See Psychology 344.)

[345. DYNAMICS OF SOCIAL CHANGE]
(See Psychology 345.)

400. INDEPENDENT STUDY
(In connection with the Covenant-Crosscounter Urban Field College.) See the Department Chairman or Registrar for details. Two or three units.

COURSES IN OTHER SOCIAL SCIENCES

[131. COMMUNICATIONS THEORY]
Levels of thought transfer, propaganda, communications effectiveness depending on audience size, advertising, et cetera. Three units. (Not offered 1972-73.)

[133. MASS MEDIA]
Variety of media forms, role in society, truth and responsibility as related to media form, appropriateness of form as related to audience. Three units. (Not offered 1972-73.)
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. Fennema.

[231. HISTORY OF MASS COMMUNICATIONS]
Technology and personnel, great issues (freedom of the press, free press: fair trial, media control), media in relation to social issues. Three units. (Not offered 1972-73.)

[329. CULTURAL ANTHROPOLOGY]
A study of man's social behavior from the earliest times to the present. Includes an examination of the historical background as well as an analysis of both the distinctive and universal elements of culture. Three units. (Not offered 1972-73.)

LANGUAGES AND LITERATURE

Major
English

Minor
English

Courses
French
German
Greek

Faculty
Mr. N. Barker, Ph.D.
Mr. Hesselink, M.A.
Mr. Mawhinney, B.D.
Miss Vander Ark, A.M.
Miss Weise, M.A.T.

ENGLISH

Requirements for English Major: In addition to the general requirements for graduation (see page 14), the following are required for an English major:

English courses, 200-level or above including
English 201 or 202
English 215, 260, 272, or 273
English 310, 317, 322, or 333
English 334, 341, or 352
English 406, 418, or 423
English 203, 366, 367, or 425

24 units
3 units
3 units
3 units
3 units
3 units

Requirements for English Minor:
Any 12 hours in English, 200-level or above.

Foreign Languages and Electives: The English Department strongly recommends that its majors acquire a good reading knowledge of at least one modern
foreign language, preferably French or German. Majors should consider as desirable electives courses in the fields of history and philosophy.

Requirements for Teacher Certification in the State of Georgia:

30 semester hours which should include the following areas: (a) language, (b) composition, (c) reading, (d) literature, (e) speech.

COURSES IN WRITING

11. ENGLISH COMPOSITION
The emphasis in this course is on learning to write expository prose effectively and purposefully. There will be experience in building a fund of ideas, in organizing thought, in analyzing and evaluating one's writing, and in sharing it. The basic tools for research will be taught as a Christian encounter with some current problem or a particular topic the student should desire to explore.

Students enrolling in this course should bring many samples of their high school writing for use as specific, personal material in analyzing and improving writing style. Three units. Miss Vander Ark and staff.

302. ADVANCED WRITING
A course in various forms of non-expository composition. Prerequisite: Exemption from English Composition, or English Composition with a grade of B or higher, and special permission of the instructor. Two units. Miss Vander Ark.

COURSES IN LANGUAGE AND LITERATURE

[102. THE ENJOYMENT OF POETRY]
A study aimed to discover and demonstrate what happens in poetry to make reading it a pleasure. A basic course for English majors but not restricted to such. Three units. (Not offered 1972-73.)

[112. LITERATURE AND CONTEMPORARY PROBLEMS]
A study of a body of literature and its relationships to a current problem (for example, literature by and about black Americans; the novels of C. P. Snow and modern academic life; Charles Williams, C. S. Lewis, and J. R. R. Tolkien and the possibilities of modern Christian fiction). Three units. (Not offered 1972-73.)

201-202. SURVEY OF ENGLISH LITERATURE
A chronological study of English literature. First semester, the beginnings to 1800; second semester, 1800 to the present. Six units. Miss Vander Ark.

[203. THE ENGLISH LANGUAGE]
An introduction to the origin, the history, the characteristics, the uses, and the misuses of English as a vital language. Three units. (Not offered 1972-73.)

[215. ENGLISH AND AMERICAN DRAMA]
A chronological study of English and American drama, exclusive of Shakespeare, with special attention to changes in the structure and the conventions of the theater. Three units. (Not offered 1972-73.)
260. THE ENGLISH NOVEL
   Critical studies of a limited number of works by the major writers of English fiction. Three units. Mr. Hesselink.

272. AMERICAN POETRY
   A study of the principal American poets. Three units.

[273. THE AMERICAN NOVEL]
   Critical reading of representative American novels from Cooper to the present. Three units. (Not offered 1972-73.)

[310. THE MEDIEVAL LITERATURE OF ENGLAND]
   A study in translation of the medieval literature of England, exclusive of Chaucer. Three units. (Not offered 1972-73.)

[317. THE SIXTEENTH CENTURY]
   A study of two or more of the important writers or works of the period, including Spenser. Three units. (Not offered 1972-73.)

[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). Three units. (Not offered 1972-73.)

333. THE EIGHTEENTH CENTURY
   A study of two or more of the important writers or works of the period (for example, Swift, Pope, Johnson, and Blake; or Boswell’s Life of Johnson and Sterne’s Tristram Shandy). Three units. Mr. Hessleink.

334. THE ROMANTIC MOVEMENT
   A study of English Romantic writers from Blake to Keats. Three units.

[341. THE VICTORIAN ERA]
   A study of major English writers from 1830 to the end of the century. Three units. (Not offered 1972-73.)

[352. TWENTIETH CENTURY LITERATURE]
   A study of important works or writers in English and American literature from 1900 to the present. Three units. (Not offered 1972-73.)

366. LITERATURE FOR CHILDREN AND ADOLESCENTS
   A course designed to explore the vast resources in children’s literature and to show appropriate ways for making literature a delight at any age. May be taken for credit in either English or education. Three units. Miss Vander Ark.

367. APPLIED ENGLISH STUDIES
   A course especially designed for teachers of English in secondary schools. The content of language structure (grammar), the gathering and organizing of ideas (composition), approaches to literature, and attempts toward integrating these three major areas. May be taken for credit in either English or education. Three units. Miss Vander Ark.

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.

406. CHAUCER
A study of Chaucer's art, with some attention to the social and literary backgrounds of his work. Three units.

[418. SHAKESPEARE]
A study of Shakespeare's dramatic art. Three units. (Not offered 1972-73.)

[423. MILTON]
A study of Milton's English poetry, with some attention also to his prose works. Three units. (Not offered 1972-73.)

425. ENGLISH SEMINAR
Study of and practice in the disciplines traditionally comprised in the field of English (including linguistics, rhetorical studies, textual scholarship, literary history, literary criticism, philology, and folklore), with attention to the methods of research appropriate to each. Three units. Mr. Barker.

COURSE IN SPEECH

12. PRINCIPLES OF PUBLIC SPEAKING
An introduction to the study and practice of basic techniques of effective public speaking, including voice production and clear articulation, prepared and extemporaneous speaking, and discussion procedures. Three units. Miss Vander Ark.

SPECIAL COURSE

100. SPEED READING
A highly concentrated course designed to increase speed and comprehension in reading. Open to all students. Ten weeks. Special tuition fees. Offered upon sufficient demand.

FOREIGN LANGUAGES

The options for fulfilling the foreign language requirement are indicated in the description of the core curriculum on page 15. The language requirements for specific major programs should be checked with the department involved.

All students who wish to fulfill the foreign language requirement in a language they have already begun in high school will be placed by an examination given at the beginning of the semester. There are three possible grades on the examination—Superior, Satisfactory, and Unsatisfactory.

Students with two years of a language in high school, upon achieving at least a Satisfactory score on the placement examination, will be placed in the Intermediate course of that language. Failure to make a satisfactory score will mean that the student must take the Elementary course without credit or start another language.
Students with three or more years of a language in high school, upon achieving a Superior score, will be considered to have fulfilled the foreign language requirement of the college. They may begin another language if they so desire.

Students with four or more years who fail to attain a Superior score will be required to complete the Intermediate course without credit. Students with three years who fail to achieve this score may take Intermediate language for credit.

Students with one year of a language will be required to start the Elementary course, but will receive credit for the second semester only.

Examinations will be given in French and German.

A year of language study equals—

1 year of passing work in grades 9 to 12
2 years of passing work in grades 7 and 8
3 or more years of passing work in elementary school

Example: continuous study of French from grades 3 to 12 equals 6 “years” of French.

The Language Laboratory

All modern language courses are taught in conjunction with the DuKane language laboratory. Students are expected to include in their schedule one hour weekly for laboratory instruction beyond the normal load of the course.

COURSES IN FRENCH

61-62. ELEMENTARY FRENCH
Pronunciation, fundamentals of grammar, readings, conversation and composition. Eight units. Miss Weise.

63-64. INTERMEDIATE FRENCH
Review of grammar and basic skills; selected readings in French. Six units. Miss Weise.

COURSES IN GERMAN

71-72. ELEMENTARY GERMAN

73-74. INTERMEDIATE GERMAN

COURSES IN GREEK

75-76. ELEMENTARY GREEK
An introduction to the grammar and vocabulary of the Koine Greek. Eight units.

77-78. INTERMEDIATE GREEK
Advanced grammatical analysis of New Testament Greek. Readings in Johannian literature in the fall semester and Synoptic readings in the spring semester. Six units.
COURSES IN LINGUISTICS AND NON-ENGLISH LITERATURE IN TRANSLATION

[200. LINGUISTICS]  
A basic course in phonetics and the structure of language, including the morphology and syntax of European and non-European languages. Three units. (Not offered 1972-73.)

[203. THE ENGLISH LANGUAGE]  
(See English 203.)

210. THE CLASSICS IN ENGLISH TRANSLATION  
A study of selected literary classics from the period of Greek and Roman antiquity. Three units.

310. PHILOSOPHY AND LANGUAGE  
(See Philosophy 310.)

MUSIC

Degrees
B.A., major in music
B.Mus., majors in applied music and in music education

Faculty
Mr. Hamm, Mus.M.
Mr. Parker, M.A.

Minor
Music

The general objectives of the Music Department are: (1) to give professional preparation to music majors in the various fields of music; (2) to set high standards of music performance; (3) to offer the spiritual and cultural enrichment of music to all students; (4) to contribute to the cultural life of the college and the community.

Admission

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 for those needing financial aid.

Music Scholarships

Music scholarships are available. Requests for applications and information should be submitted to Dr. John P. Cummer, Chairman, Scholarship Committee, Covenant College. Also an audition before the music faculty should be
arranged with, or a tape recording of performance mailed to, the department chairman, Mr. Hamm. Details can be obtained from the department chairman.

Requirements for All Music Majors

Music majors are required to attend student recitals and to participate in a performing organization. Credit may be earned in one or two performing organizations to which the student may belong simultaneously, but such credit will not fulfill any course requirements, including electives. All must sustain a performance examination at the end of each semester. All music majors are required a Basic Piano Proficiency of Level III, 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.

Music Library and Equipment

The college library has an excellent supply of reading and research books in all areas in which courses are offered and subscribes to a number of professional music periodicals and journals. A collection of more than 1,400 recordings provides students with a wide range of music literature in performance. The library and classrooms are equipped with stereophonic record players and speakers. The college possesses one of the finest chamber music libraries in the South.

Community Cultural Activities

Various musical activities in Chattanooga, such as the Chattanooga Symphony Orchestra, the Chattanooga Opera Association, and The Community Concert Association, enhance the training offered by the college.

Music Major, 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. Private lessons are offered in piano, organ, voice, and the orchestral instruments. Completion of this program requires a total of 126 units, including 48 units of music and the core curriculum.

The following distribution of courses is recommended.

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<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
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<tbody>
<tr>
<td>Freshmen:</td>
<td>New Testament 3</td>
</tr>
<tr>
<td>Old Testament</td>
<td>Math or Logic 3</td>
</tr>
<tr>
<td>English Composition or Speech</td>
<td>Foundations of Modern Culture 4</td>
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<td>Foundations of Modern Culture</td>
<td>Music Theory I, 162 4</td>
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<td>Music Theory I, 161</td>
<td>Applied Music—Private, 112 2</td>
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<td>Applied Music—Private, 111</td>
<td>Applied Music—Ensemble 0</td>
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<tr>
<td>Christian Doctrine</td>
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<td>Distribution Course: Humanities</td>
<td>3</td>
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<tr>
<td>Foreign Language</td>
<td>4</td>
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<tr>
<td>Music Theory II, 261</td>
<td>4</td>
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<tr>
<td>Applied Music—Private, 211</td>
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<td>Applied Music—Ensemble</td>
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<td>Foreign Language</td>
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<tr>
<td>Music History, 371</td>
<td>3</td>
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<tr>
<td>Distribution course: Social science</td>
<td>3</td>
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<tr>
<td>Applied Music—Private, 311</td>
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### Seniors:

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<td>Applied Music—Private, 411</td>
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<td>Applied Music—Ensemble</td>
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### Requirements for a Minor in Music:

- Music Theory I, 161-162: 8 units
- Introduction to Music, 171: 3 units
- Ensemble for 2 semesters: 1-2 units
- Applied Music, 2 semesters: 4 units

### Bachelor of Music Degree, Major in Music Education

This program provides training for prospective choral and instrumental teachers at both the elementary and secondary levels, along with a proficiency in various areas of applied music. In addition, a broad core curriculum is included. The program of 132 units will basically meet the requirements for teacher certification in most states.
The following distribution of courses is recommended:

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Grand Total Hours: 132, including 73 hours in music or music education.
Bachelor of Music Degree,
Major in Applied Music

This is a pre-professional program designed to prepare students for performance, church music, or for graduate studies in applied music (piano, voice, or orchestral instruments), 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.

The following distribution of courses is recommended:

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<td>Applied Music—Minor Instrument, 131</td>
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Seniors:

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| Applied Music—Major Instrument, 441   | Applied Music—Ensemble, 0 |
| Applied Music—Ensemble, 0              | Pedagogy (in Major Instrument), 481 |
| Orchestration, 461                     | Music Electives, 4 |
| Conducting, 2                          | Senior Recital, 0 |
| Music Electives, 4                     |                                           |

**Requirements for Teacher Certification in the State of Georgia:**

40 semester hours which must include the following: (a) theory, (b) performance—conducting, ensemble, functional piano, major performance, minor performance, (c) music history and literature.

**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. (This course may be exempted by music majors upon examination.) Three units.

**[371-372. MUSIC HISTORY AND LITERATURE]**

An intense study of the music of all ages designed for the music major but open to others with the approval of the instructor. Three units each semester. (Not offered 1972-73.)

**[373. 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. (Not offered 1972-73.)

**[374. VOICE LITERATURE]**

A comprehensive study of art song literature. Two units. (Not offered 1972-73.)

**[473. CHORAL LITERATURE]**

A comprehensive study of the choral literature of all periods. Two units. (Not offered 1972-73.)

**COURSES IN THEORY**

**161-162. THEORY I**

An integrated course including ear training, keyboard harmony, sight singing, and written harmony. A study of keys, scales, intervals, triads, chord progressions, cadences, harmonizations of melodies and basses, simple modulations, and analysis. Five meetings per week. Four units each semester.

**261-262. THEORY II**

An integrated course including advanced ear training, keyboard harmony, sight singing, and written harmony. Modulations, altered chords, augmented chords, ornamentation, analysis, and original work. Five meetings per week. Four units each semester.
362. COUNTERPOINT
The harmonic contrapuntal technique of the eighteenth century. Second semester. Two units.

363-364. 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. Hamm.

461. 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.

[462. CHORAL ARRANGING]
Study of ranges, tonal quality and effects, technical capabilities and limitations of the human voice. Scoring of short pieces in various styles for small and large vocal ensembles. Second semester. Two units. (Not offered 1972-73.)

COURSES IN MUSIC EDUCATION

[254. VOCAL METHODS]
Objectives and techniques of the choral program in the elementary and secondary schools, with emphasis on vocal production, rehearsal procedures, repertoire, rote techniques, organization, etc. Offered in spring semester of alternate years. Two units. (Not offered 1972-73.)

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 all of the four instrumental courses offered, including two semesters of string methods.

251. WOODWIND METHODS
Clarinet concentration, and flute, oboe, bassoon methods. Offered in the fall semester of alternate years. Two units. Mr. Parker.

252. BRASS METHODS
Trumpet concentration, also french horn, trombone, and tuba methods. Offered in spring semester of alternate years. Two units. Mr. Parker.

[253. PERCUSSION METHODS]
Snare drum concentration, also tympani, and tuned percussion methods. Offered in fall semester of alternate years. Two units. (Not offered 1972-73.)

[255-256. STRING METHODS]
Violin concentration, and viola, cello, and bass methods. Two units each semester. (Not offered 1972-73.)

351. MUSIC IN THE SECONDARY SCHOOL
Objectives and techniques of the choral and instrumental program in the secondary school, with emphasis on organization, methods of teaching, testing, business procedures,
contests, professional organizations, seating, discipline, etc. Offered in the fall semester. Two units. Mr. Parker.

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, audio-visual material, recordings, rhythm bands, beginning instrumental programs, and the middle school concept. Offered in the spring semester. Two units. Mr. Parker.

MISCELLANEOUS MUSIC COURSES

[282. BASIC CONDUCTING]
Fundamental conducting techniques, including beat patterns, left hand dynamic control, simple phrasing, tempo and rhythmic changes. One unit. (Not offered 1972-73.)

381. CONDUCTING, INSTRUMENTAL AND VOCAL
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.

481. PEDAGOGY
Pedagogy in voice, piano, or other major instrument. Two units.

PERFORMANCE ORGANIZATIONS

190. STAGE BAND
Membership is by audition. One-half hour class weekly plus outside practice. One-half unit each semester. Mr. Parker.

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 two 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. Meets once a week. Fee: $2.00 per year. One unit per year. Mr. Hamm.

197,198. CHAMBER ORCHESTRA
Membership is by audition. All instrumental music majors are required to participate. Three hours rehearsal weekly. Two units per year. Mr. Parker.

199,200. INSTRUMENTAL ENSEMBLE
Membership is by audition. String trio, quartet, piano trio, wind ensembles, etc. are arranged according to student needs and performance levels. One-half unit per semester.
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.

LEVELS AND COURSE NUMBERS IN APPLIED MUSIC

LEVEL I: Beginner; 101-102, 131-132.
LEVEL II: Elementary; 101-102, 131-132.
LEVEL V: Advanced, first stage; 301-302, 311-312, 321-322, 141-142, 331-332.
LEVEL VII: Advanced, third stage; 341-342.
LEVEL VIII: Advanced, fourth stage; 441-442.

An adequate description of these levels can be obtained from the instructor of the particular applied area.

Courses in Applied Music

Private instruction in piano, voice, and orchestral instruments is available to all students of the college, and may be arranged with the instructor. Qualified private instructors, approved by the college, are available in the Chattanooga area on any instrument for which a resident college teacher is not available. Arrangements are to be made through the department chairman.

All students studying privately, whether music majors or not, are required to attend all recitals.

Except for 101-102, two units of credit are given each semester for one hour of daily practice and one-half-hour lesson each week. Majors in applied music are required to take two half-hour lessons per week and two hours daily practice for four units of credit each semester. All students taking private instruction for credit are required to sustain a performance examination at the end of each semester.

The Level assigned at the beginning of a semester (preferably on the basis of an audition) is subject to being changed in the course of that semester if the student does not prove to work at that Level.

Course numbers with a middle digit "0" are to be applied to students who are not music majors. 101-102, no credit; otherwise, two units each semester.

Course numbers with a middle digit of "1" are to be applied to students enrolled in the Music Major, B.A. Degree program. Two units each semester.

Course numbers with a middle digit of "2" are to be applied to students enrolled in the Music Education major program. Two units each semester.

Course numbers with a middle digit of "3" are to be applied to the minor instrument of students enrolled in the Applied Music major program, and for
those working to meet the Basic Piano Proficiency Level. 131-132, one unit each semester; otherwise, two units each semester.

Course numbers with a middle digit of "4" are to be applied to the major instrument of students enrolled in the Applied Music major program. Four units each semester.

NATURAL SCIENCES AND MATHEMATICS

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<td>Mr. Barnes, Ph.D.</td>
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<td>Chemistry</td>
<td>Mr. Dameron, M.S., B.D.</td>
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<tr>
<td>Natural Science</td>
<td>Mr. Donaldson, Ph.D.</td>
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<td>Medical Technology</td>
<td>Mr. Keister, Ph.D.</td>
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<tr>
<td>Minors</td>
<td>Mr. Lothers, Ph.D.</td>
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<td>Mr. Wenger, M.A.</td>
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Because we believe that every area of life is to be employed in the service of God, we do not view the natural sciences as further removed from the sphere of Christian concern than any other discipline. On the contrary, the natural sciences provide an area where God can be well served, and where a real appreciation of His creation can be developed.

The Department of Natural Sciences and Mathematics, through its core offerings, seeks to acquaint every student in the college with some of the laws by which things operate. We further seek to give each student an appreciation of the way in which scientists go about their work, and how theories develop.

Through its major programs the department aims to prepare students for a variety of careers. The majors in Biology and Chemistry are designed to meet the needs of those planning to undertake graduate work, to enter medical school, or to teach at the secondary level following the completion of a Master of Arts degree in teaching. The major in Natural Science is a flexible program primarily designed to meet the varying needs of those planning to teach at the secondary level. Within this major, a student can elect to concentrate in Biology, Chemistry, Mathematics, or Physics.

COURSES IN BASIC SCIENCE

(These courses may not be applied to the majors in Biology or Chemistry.)

103. ELEMENTS OF GEOLOGY AND ASTRONOMY

Study of earth science emphasizing principles of historical and physical geology.
Laboratory work with geological specimens. Telescopic observation. Three hours lecture. Two hours laboratory. Laboratory fee: $15.00. Four units.

104. EVOLUTION AND BIOLOGICAL ADAPTATIONS
Principles of macroevolution and microevolution. Heredity and its chemical basis will be studied as a foundation. Three hours lecture. Two hours laboratory. Laboratory fee: $15.00. Four units. Mr. Lothers.

COURSES IN BIOLOGY

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. Eight units. Staff.

[212. BACTERIOLOGY]
Life histories, morphology, physiology, identification, culture techniques, and immunity. Prerequisite: Biology 111-112 or equivalent. Three hours lecture. Three hours laboratory. Laboratory fee: $10.00. Four units. (Not offered 1972-73.)

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

[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: $15.00. Five units. (Offered on demand.)

[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. (Not offered 1972-73.)

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. Four units.

[314. EMBRYOLOGY]
Development of vertebrate animals. Prerequisite: Biology 111-112 or equivalent. Three hours lecture. Three hours laboratory. Laboratory fee: $10.00. Four units. (Not offered 1972-73.)

316. PLANT PHYSIOLOGY
Functions associated with plant maintenance, growth, and reproduction. Prerequisite: Biology 111-112 or equivalent. Three hours lecture. Three hours laboratory. Laboratory fee: $10.00. Four units.

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. Two hours lecture. Four hours laboratory. Laboratory fee: $10.00. Four units.

[319. HUMAN PHYSIOLOGY]
The functioning of the major systems of the body will be studied along with a sufficient background of anatomical concepts. Prerequisite: Biology 111-112. Three hours lecture. Three hours laboratory. Laboratory fee: $10.00. Four units. (Not offered 1972-73.)

411. CURRENT CONCEPTS IN BIOLOGY
Historic development of current concepts with emphasis on the theory of evolution. Reports and discussions of the current literature. Coverage of areas in which the students may be weak, such as various biochemical topics. Prerequisite: Eight hours of 200 or 300 courses, preferably including Genetics. Two hours lecture. Two units. Mr. Lothers.

414 (214). MACROEVOLUTION AND MICROEVOLUTION
Same topics as Science 104 plus additional topics suited to the class. Discussion groups consisting of students from Science 104 will be led at least once during the semester. Those electing 414 will give one oral report. Students desiring to fulfill the science distribution requirements with a more challenging course than 104 may take 214 plus lab from 104. Three units (four units with lab). Mr. Lothers.

416. DIRECTED STUDIES IN BIOLOGY
Methods in biological research, familiarity with the biological literature, experience in choosing and carrying out an experiment. Prerequisite: Eight hours of 200 or 300 courses. Up to three units credit, but no more than two units in one semester. Mr. Wenger, Mr. Lothers.

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. Eight units. Staff.

121N-122N. GENERAL CHEMISTRY
The same course as 121-122 except that techniques of organic chemistry are included in the laboratory second semester. Lectures are held jointly with 121-122, but recitations are held separately. This course is designed primarily for students in the nursing program, but others not planning to major in science may also enroll. Same fees and credit apply.

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: $10.00. 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. Eight units. (Not offered 1972-73.)

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. 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. Four units. (Offered on demand.)

425-426. PHYSICAL CHEMISTRY
A study of the gaseous, liquid, and solid states, solutions, elementary thermodynamics, 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. Laboratory fee: $15.00 per semester. Refundable breakage deposit: $10.00. Eight units. (Offered in alternate years.) Mr. Dameron.

COURSES IN PHYSICS

131-132. GENERAL PHYSICS
The essentials of mechanics, heat, sound, electricity, magnetism, and light, and an introduction to modern physics, including nuclear physics and atomic structure. Three hours lecture. Three hours laboratory. Laboratory fee: $15.00 per semester. Refundable laboratory deposit: $5.00. Eight units. Mr. Dameron.

231. MODERN PHYSICS
Modern ideas in physics: quantum theory, relativity, nuclear and atomic structure, fundamental particles. Prerequisites: Physics 131-132, Mathematics 145-146. Three hours lecture. Three units. Mr. Keister.

331. ELECTRICITY AND MAGNETISM
Electrostatics, d.c. circuits, magnetism, induced current, transients, and a.c. networks. Prerequisite: Mathematics 247-248. Three hours lecture. Three units. Mr. Keister.

332. ANALYTICAL MECHANICS
Particle and rigid body mechanics, harmonic oscillators, and an introduction to advanced dynamics. Prerequisite: Mathematics 145-146. Three hours lecture. Three units.

33. PRINCIPLES OF ELECTRONICS
Fundamental theory of electron ballistics, semi-conductors, and vacuum tubes. Applications to modern scientific instrumentation will be stressed. Prerequisite: Physics 131-132. Two hours lecture. Three hours laboratory. Three units. Mr. Dameron.
337-338 (237-238). EXPERIMENTAL PHYSICS
Advanced laboratory experiments designed to integrate and augment work in lecture courses. Prerequisite: Physics 131-132. Three hours laboratory. Laboratory fee: $10.00 per semester. Two units. Mr. Dameron.

431-432. SPECIAL TOPICS IN PHYSICS
Concentration in selected fields of study. Prerequisite: senior standing. Three units each semester. Mr. Dameron. (Offered on demand.)

COURSES IN MATHEMATICS

[21. FUNDAMENTALS OF MATHEMATICS]
Elementary set theory, the logical nature of mathematics, the real number system, topics of algebra, algebraic functions. This course serves to fulfill the college core requirement in mathematics. Three or four units. (Not offered 1972-73.)

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. Donaldson.

[143. INTRODUCTION TO STATISTICS]
Organization of data, elementary probability, frequency distribution, random sampling, testing and hypotheses, regression and correlation, analysis of variance. This course is intended primarily for majors in the biological and social sciences and cannot be counted for credit toward the Mathematics Concentration in the Major in Natural Science. Prerequisite: Mathematics 21 or equivalent. Three units. (Not offered 1972-73.)

145-146. CALCULUS WITH ANALYTIC GEOMETRY I, II
Analytic geometry, functions and limits, the derivatives 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 or 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.

[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 1972-73.)

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 248 or consent of the instructor. Three units. Mr. Keister.
347. 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. Three units. Mr. Keister.

[348-349. ELEMENTARY DIFFERENTIAL EQUATIONS AND BOUNDARY-VALUE PROBLEMS]

First order differential equations, second and higher order linear equations, series solutions, the Laplace transform, numerical methods, systems of first order equations, linear second order boundary value problems, Fourier series, partial differential equations. Prerequisite: Mathematics 247 for 348 and 348 for 349. Eight units. (Offered on demand.)

Curricula

Entering freshmen who plan to major in Chemistry or in natural Science with concentrations in Chemistry, Physics, or Mathematics, should plan to take calculus the first year. It is recommended, therefore, that they present Mathematics through Trigonometry from high school.

All of the programs offered by the Department of Natural Sciences and Mathematics call for early and extensive counseling of students in order that they be properly informed of the requirements and aims of the programs. A person entering any of these programs 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.

MAJOR IN BIOLOGY

Requirements: At least 24 hours beyond Biology 111-112, including 218, 313, 411, 416 (2 units), and a minimum of three other biology courses chosen after consultation with adviser; Chemistry 121-122 and 323-324; and Physics 131-132. Mathematics 145-146 and intermediate level French or German are required for those planning to go to graduate school.

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Fall</th>
<th>Spring</th>
<th>Sophomore</th>
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</table>
Junior
Chemistry 323-324 4 4  
Biology 4 4  
Distribution Requirements 3 3  
German or French 3 3  
Philosophy of Christian Faith – 2  
= 14 16

Senior
Philosophy of Christian Faith 2 –  
Physics 131-132 4 4  
Biology 4 –  
Current Concepts in Biology 2 –  
Directed Studies – 2  
Distribution Requirements 3 –  
Electives – 7  
= 15 13

### MAJOR IN CHEMISTRY

Requirements: At least 24 hours beyond Chemistry 121-122, including 323-324, 325-326, and 425-426; Physics 131-132 and 333; Mathematics through 247. German is recommended for those planning to go to graduate school. Biology 111-112 is recommended for those interested in graduate work in biological or physiological chemistry.

<table>
<thead>
<tr>
<th>Freshman</th>
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<th>Sophomore</th>
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Junior

| Chemistry 325-326 | 4 | 4 | Chemistry 425-426 | 4 | 4 |
| German | 3 | 3 | Philosophy of the Doctrine | 2 | – |
| Physics 333 | 3 | – | Courses in Minor | 3 | 3 |
| Courses in Minor | 3 | 3 | Electives | 3 | 6 |
| Philosophy of the Christian Faith | – | 2 | | 12 | 13 |
| | | | 16 | 15 |

### MAJOR IN NATURAL SCIENCE—CONCENTRATION IN BIOLOGY

Requirements: At least 23 hours beyond Biology 111-112, including 218, 313, 411, 416; Chemistry 121-122 and 323-324; Physics 131-132; Mathematics 141 and 142. The following curriculum includes the courses in professional education necessary for certification in most states. If a career in education is not contemplated, electives may be substituted.
### Major in Natural Science—Concentration in Chemistry

Requirements: At least 20 hours beyond Chemistry 121-122; Biology 111-112; Physics 131-132 and 333; Mathematics 145-146. The following curriculum includes the courses in professional education necessary for certification in most states. If a career in education is not contemplated, electives may be substituted. Because certain courses are normally offered in alternate years, a student may need to follow a different sequence from that suggested below.

<table>
<thead>
<tr>
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<td>General Psychology</td>
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<td>3</td>
<td>Principles of Teaching</td>
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<td>Foreign Language (or option)</td>
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<td>Chemistry 323-324</td>
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<td>Biology</td>
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<td>Philosophy of the Christian Faith</td>
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<td>Math 247</td>
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<table>
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<th>Spring</th>
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<tbody>
<tr>
<td>14</td>
<td>13</td>
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</table>
MAJOR IN NATURAL SCIENCE—
CONCENTRATION IN MATHEMATICS OR PHYSICS

Requirements: Biology 111-112; Chemistry 121-122; Physics 131-132, 237-238, 231, 332, 337, 431, 432; Mathematics 145-146, 247, 341-342, 348. Mathematics 341-342 is required for those concentrating in mathematics; desirable options are Basic Science 103 and Mathematics 343, 347. The following curriculum includes the courses in professional education necessary for certification in most states. If a career in education is not contemplated, electives may be substituted.

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Fall</th>
<th>Spring</th>
<th>Sophomore</th>
<th>Fall</th>
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<td>Physics 432*</td>
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<td>Education 324</td>
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</table>

*Students desiring a concentration in Mathematics will substitute an advanced mathematics course.

PROGRAM FOR B.A. IN MEDICAL TECHNOLOGY

I. 100 hours of college work, at least one year of which (the third year) should be taken at Covenant College.

These 100 hours should include the following requirements:

- Foundations of Modern Culture: 8
- Old Testament and New Testament: 6*
- English Composition or Speech: 3*
- Foreign Language (or option): 14*
- Christian Doctrine: 6
- Philosophy of the Christian Faith: 4
- Distribution Requirements: 9
  - (social science—psychology, history—philosophy, arts—literature)
- P.E. and First Aid: 2
- General Biology: 8
- General Chemistry: 8
General Physics  8
Organic Chemistry  8
Four additional biology courses including Genetics, Human Physiology and Bacteriology  16
Total                     77 to 100

*Some or all of which may be bypassed through testing for advanced placement

Recommended electives (if language or other requirements have been bypassed by testing): Introduction to Statistics (3), Principles of Electronics (3), Analytical Chemistry (4 or 8), Biochemistry (4).

II. 30 hours from approved school of Medical Technology.

Requirements for a Minor in Biology, Chemistry, or Physics:

For those not fulfilling distribution requirement with General Biology, General Chemistry, or General Physics: 8 hours beyond the general course,

For those fulfilling distribution requirements with General Biology, General Chemistry, or General Physics: 12 hours beyond the general course.

In either case, a Chemistry minor must include Chemistry 323-324.

Requirements for a Minor in Mathematics:

14 units of mathematics beyond Calculus II.

Requirements for Teacher Certification in the State of Georgia:

Biology—30 semester hours of biology plus (a) one year of chemistry, (b) one year of physics, (c) one course in basic problems of mathematics, including elementary statistics.

Chemistry—30 semester hours of chemistry plus (a) one year of physics, (b) one year of life science, (c) mathematics through calculus.

Physics—30 semester hours of physics plus (a) one year of chemistry, (b) one year of biology, (c) mathematics, including calculus and differential equations, (d) work in one of the following fields: geology, meteorology, physical geography, or astronomy.

Mathematics—30 semester hours (may include 7 hours in physics) which must include at least one course in each of the following: (a) algebra, (b) geometry, (c) trigonometry, (d) calculus.

Two Science Areas—24 semester hours in each of two science areas.

Science and Mathematics—(a) 20 semester hours in mathematics, (b) 24 semester hours in one area of science.
PSYCHOLOGY AND EDUCATION

Major
Psychology

Minors
Education
Physical Education
Psychology

Program in
Nursing Education

Faculty
Mr. Bowman, M.A.
Mr. Cummer, Ed.D.
Mr. Fennema, M.A.
Mr. Graham, M.A.
Mr. Muller, Ph.D.
Mr. Nuernberger, Ph.D.
Mrs. Schmidt, M.S.
Mrs. Steensma, M.A.

PSYCHOLOGY

The student who is oriented toward human development and personal problems might well consider a major in Psychology. It serves as an excellent base for the pastorate, social work, or even parenthood, depending upon the program of courses selected. It is attracting increasing numbers of Christians who are interested in its application in urban planning, advertising, industry, education, space research, mental health, and the ministry. The student who chooses psychology as a major at Covenant, however, must plan on serious study.

It is also necessary carefully to think through your particular psychology program in terms of overall goals. For example, it is recommended that all psychology majors elect Math 143 (Introduction to Statistics) because this will soon be a department requirement. Also, 309, Seminar in Psychotherapy will only be available for Psychology majors who have taken Child and Adolescent Psychology, Psychopathology, and Theories of Personality, besides their other psychology courses. The Field Internship and Practicum in Counseling (which must be taken simultaneously) are only open to Senior Psychology majors.

Requirements for the Psychology Major:
1. General Psychology (101) which will satisfy three credits of Distribution Requirements. Refer to page 14 of the catalog. This is the first course to be taken by the major.
2. A minimum of 24 hours within Psychology at least 18 of which must be upper division.
3. Psychopathology, to which Biology 111-112 and 319 are pre-requisite.

Some Sociology courses are cleared for credit in the Psychology division. These are noted in the following listing.

56
Requirements for the Psychology Minor:

Twelve hours of psychology 200-level or above, six of which must be upper division.

Requirements for Teacher Certification in the State of Georgia:

Behavioral Sciences—30 semester hours with a concentration in one of these fields and supporting work in the other two: (a) anthropology, (b) sociology, (c) psychology. Additional supporting work should include at least one of the following areas: history, political science, economics, or geography.

COURSES IN PSYCHOLOGY

101. GENERAL PSYCHOLOGY
The foundation course for the division. A brief survey of the various fields of psychology, including human development, research methods, motivation, emotion, learning theory, personality, and statistics. Three units. Mr. Nuernberger.

201. PROBLEMS OF CHURCH COUNSELING
Designed for men and women planning for careers in church or mission related setting. Identification of behavioral and communications problems. Role playing, techniques of counseling, and referral to appropriate community agencies. Three units. Mr. Nuernberger.

222. EDUCATIONAL PSYCHOLOGY
(See Education 222.)

244. SOCIAL PSYCHOLOGY
Utilizes sociological data to analyze interpersonal and intergroup relationships. Class reports and outside speakers included. Three units. Mr. Muller.

[301. CHILD AND ADOLESCENT PSYCHOLOGY]
Traces the physical, mental and emotional development of the child from before birth to adolescence. Analyzes shifts of morality and difficulties in family adjustment. Three units. (Not offered 1972-73.)

303. DATING AND MARRIAGE
A student-run course centered in problems of dating and marriage. Students select goals, design the semester's program, select resource materials and invite qualified professionals for lectures and discussions. Three units. Mr. Nuernberger.

[306. THEORIES OF PERSONALITY]
An intensive, student-led study of major personality theorists using original writings and survey materials. Includes Freud, Rogers, Gestaltism, Learning Theory, Mowrer, Frankel, and Glasser. Four units. (Not offered 1972-73.)

307. PSYCHOPATHOLOGY
After establishing the design of the healthy personality, this course traces carefully the main theories of the origin of abnormal conduct and mental disease, outlines the leading schools of thought in this area of psychology today, and integrates the whole in terms of the college's Christian philosophy. Prerequisite: Biology 111-112 and 319. Four units. Mr. Nuernberger.
310. SEMINAR IN PSYCHOTHERAPY
Open only to advanced psychology major students. Study of techniques of psychotherapy through papers and by application of its principles to group members themselves. Prerequisites: Psychology 301, 306, 307. Three units. Mr. Nuermberger.

324. GROUP DYNAMICS
In connection with the Covenant-Crosscounter Urban Field College (See Chairman of the Department of History and Social Science or Registrar for details) Two units.

325. ADOLESCENT PSYCHOLOGY
In connection with the Covenant-Crosscounter Urban Field College (See Chairman of the Department of History and Social Science or Registrar for details) Three units.

341. THE FAMILY
(See Sociology 341.)

342. SOCIOLOGY AND PSYCHOLOGY OF RELIGION
(See Sociology 342.)

343. SOCIOLOGY OF HEALTH
(See Sociology 343.)

344. SOCIAL PSYCHOLOGY OF GROUPS
Study of the dynamics of group relations with special emphasis being given to group principles and processes such as decision-making and problem solving, theories of collective behavior, and SIMSOC. Three units. (Not offered 1972-73.)

345. DYNAMICS OF SOCIAL CHANGE
A study of human society in progressive change, turmoil, and revolution. Analysis is made of both peaceful and violent forces that are operating in the world today, especially in urban and suburban life, in minority groups, and nationalistic fever in other continents. Three units. (Not offered 1972-73.)

399. INDEPENDENT STUDY
Hours, credits, and assignments to be arranged through the department chairman.

401. SPECIAL PROBLEMS IN PSYCHOLOGY
Students submit and discuss papers on contemporary issues in psychology, concentrating on critical analysis of secular psychology and development of Christian views. Three units. Mr. Nuermberger.

408. PRACTICUM IN COUNSELING
To be taken with Psychology 409. Senior psychology majors who are Field Interns share written reports, tapes, and group concepts to develop critical evaluation and professional growth. Prerequisites: Psychology 301, 306, 307. Three units. Mr. Nuermberger.

409. FIELD INTERNSHIP
To be taken with Psychology 408. Senior psychology majors are assigned as counselors or assistants in various social service youth agencies. Three units. Mr. Nuermberger.

EDUCATION
Students who study education based upon scriptural principles are preparing to be professional decision-makers. Classroom teaching is only one facet;
many other avenues of service in the profession require a basic knowledge about education.

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

Persons selecting education as a minor but not desiring to teach must complete twelve units in education including 221, 222, and 321.

**Requirements for a Teaching Minor in Education:**

All prospective teachers must have a major in an academic discipline and a minor in education. The education minor must include the following twenty-unit pre-professional sequence:

- Principles of Teaching and Learning 3 units
- Educational Psychology 3 units
- Structure of Knowledge 3 units
- Designing Teaching/Learning Models 3 units
- Teaching Practicum 8 units

Planning a program leading to certification should begin in the sophomore year since certain required courses may be offered only in alternate years. A person desiring certification in a state other than Georgia should also begin planning early in his 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 Education 321: Structure of Knowledge. Application forms are available in the education office. The requirements for admission are:

1) Completion of Education 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 of residency at Covenant College
5) A recommendation by a professor at Covenant College
6) A recommendation by the Dean of Students

**Requirements for Elementary Certification:**

Georgia T-4 elementary certification will be granted to persons completing the pre-professional sequence and the additional courses:

*Education 394: Art for Children and Adolescents, 3 units,
Education 326: Fundamentals of Reading, 3 units,
English 366: Literature for Children and Adolescents, 3 units,
History 211-212: History of the United States, 6 units.

**Math 21(E): Teaching and the Fundamentals of Mathematics, 4 units,
Music 352: Music in the Elementary School, 2 units,
P.E. 235: Physical Education in the Elementary School, 3 units.

*Fulfills a distribution requirement.
**Fulfills a core requirement.
It is recommended that persons desiring to teach on the elementary level choose the Inter-Disciplinary Studies major with concentrations in English, history, and education.

**Requirements for Secondary Certification:**

Georgia T-4 secondary certification will be granted to persons completing the pre-professional sequence and a teaching major in either English, Biology, chemistry, math/physics, history, or psychology. A teaching minor in physical education is also available. A minimum of three units of mathematics is required of all prospective teachers. Specific course requirements for certification are listed under each discipline.

**The Professional Semester:**

Persons who have been admitted to the Teacher Education Program and have applied 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:

- Philosophy of the Christian Faith: 2 units
- Designing Teaching/Learning Models: 3 units
- Teaching Practicum: 8 units

**COURSES IN EDUCATION**

**21(E). TEACHING AND THE FUNDAMENTALS OF MATHEMATICS**

A combination of a 3-unit course, Math 21: Fundamentals of Mathematics, taught by the mathematics department and a 1-unit course on approaches used and materials available in the teaching of mathematics within the elementary school taught by the education department. Required for elementary certification. Four units. Mrs. Steensma.

**221. PRINCIPLES OF TEACHING AND LEARNING**

After an initial acquaintance with the current scene in education, scriptural principles are studied to provide a basis for decision-making in education. These principles guide the study of the organization and curriculum of the school, the roles of teachers and students, professional relationships, and the control of the school. This course also provides content and experiences related to philosophical and sociological foundations of education. Pre-practicum experiences include tutoring individual students or small groups, observing classes, working with a classroom teacher, and/or visiting various kinds of schools. The course provides foundational knowledge for those who know they want to teach. Its content and experiences prove helpful to those just exploring the possibility of a career in education. Three units. Mrs. Steensma.

**222. EDUCATIONAL PSYCHOLOGY**

Theories of learning and teaching, the formation of concepts, and major concepts in the discipline are studied with a Christian perspective. The concepts offered by Piaget, Bruner, Ausubel, Gagne, Stimulus-Response Theory, and Cognitive Theories form key content. Pre-practicum experiences include those in Education 221. More emphasis is placed on relating course content to the pre-practicum experience. There is a conscious attempt to use learning and instructional theory in classroom experiences. Three units. Mrs. Steensma.
235. PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL
(See Physical Education 235.) Required for elementary certification.

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 con-
tributions other disciplines offer to theirs. The aim is to view reality as an integrated
whole rather than a collection of parts. Three units. Mrs. Steensma.

322/324. DESIGNING TEACHING/LEARNING MODELS
The content is shared by all students regardless of interest, elementary (322) or
secondary (324) levels. Students register by number for certification purposes. The study
of teaching strategies leads to the development of teaching units related to the student’s
discipline, the educational level for which he is registered, and for use during the teach-
ing practicum experience. Students become involved with multi-media hardware and
software as it pertains to their teaching area. The pre-practicum experience includes
observation of and involvement with the cooperating classroom teacher with whom he
will practice teach during the final eight weeks of the semester. Three units. Mr.
Fennema.

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. Three units.

352. MUSIC IN THE ELEMENTARY SCHOOL
(See Music 352.) Required for elementary certification.

366. LITERATURE FOR CHILDREN AND ADOLESCENTS
(See English 366.) Required for elementary certification.

394. ART FOR CHILDREN AND ADOLESCENTS
Essential techniques, methods, and materials in classroom organization and the
operational phases of an arts program. A study of the elements of design and the organ-
ization of these basic elements. Required for elementary certification. Three units.

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. Eight units. Mr.
Fennema.

NURSING EDUCATION
The program in nursing education is designed to begin the development of
understandings, attitudes, and skills which will enable the Christian student
to become an effective professional nurse. The program is philosophically
oriented toward the principle that the student's best personal preparation for meeting the spiritual, emotional, and physical needs of those under her care is her own maturing knowledge of God's Word.

Demands on nurses are being qualified in many ways through our changing society and rapid technological changes affecting the world of medicine. Leaders in nursing have taken the position that these demands can best be met by the professional nurse who receives her education in a college or university where all the nursing courses, as well as the general education courses, are taught by those who are members of the faculty of that college or university.

Covenant College has arrangements with several of the country's leading collegiate schools of nursing that allows students to enter these schools for completion of the Bachelor of Science in nursing. By satisfactorily completing two years in the pre-nursing curriculum at Covenant College, the student may apply for admission on the junior level to the following schools: The College of Nursing, University of Tennessee at Memphis; The Faculty of Medicine, School of Nursing, Columbia University, New York City; and the School of Nursing, Emory University, Atlanta, Georgia. There are other schools of nursing to which the student can also transfer. Covenant's pre-nursing curriculum is worked out on an individual basis according to prerequisites of the selected school of nursing.

At Emory University and at Columbia University the B.S. in nursing can be earned in two additional years, and in three additional years at the University of Tennessee.

Requirements for Pre-Nursing Program:

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<thead>
<tr>
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<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Foundations of Modern</td>
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<tr>
<td>Culture</td>
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<td>4</td>
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<tr>
<td>Chemistry</td>
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<tr>
<td>Introduction to Nursing</td>
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<td>Psychology or Sociology</td>
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<tr>
<td>Electives</td>
<td>0-3</td>
<td>3</td>
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</tbody>
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14-17 17

Electives taken will be selected from among the following courses in consultation with the chairman of the department according to the requirements of the school of nursing which the student enters in her junior year: English Composition, Literature, Bible, Mathematics, Sociology, Speech, Intermediate Foreign Language, History, Philosophy, Psychology, Fine Arts, and Physical Education.

COURSE IN NURSING EDUCATION

101. INTRODUCTION

A survey of the field of nursing including objective criteria to be used in choosing
nursing as a career, technological and sociological phenomena influencing the demands made on nurses today, and educational opportunities which can best qualify the nurse to meet these demands. Emphasis is placed on the necessity of learning to regard the total needs of the patient, and, through discussion, a preliminary philosophy is formed for the Christian nurse to meet these needs. A non-credit course. Mrs. Schmidt.

**PHYSICAL EDUCATION**

Physical Education is required of all freshmen except married students, military veterans, and those excused for medical reasons. Physical education develops body tone and coordination and promotes an invigorating outlet which serves as a balance to the sedentary demands of college.

All sophomores are required to take one semester of First Aid and Health. Upon satisfactory completion of the course students are presented the Standard Red Cross First Aid Certificate.

There is a $9.50 fee for Physical Education and First Aid and Health. Each class meets once a week.

In addition to the required Physical Education and First Aid and Health classes, 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, and cross-country.

**Requirements for the Minor in Physical Education:**

- **Theory**
  - Introduction to Physical Education: 3 units
  - Problems in Physical Education: 2 units
- **Skills**
  - Team Sports: 3 units
- **Biological Sciences**
  - General Biology: 8 units
  - Human Physiology: 4 units
- **Elective**
  - Physical Education or Comparative Anatomy: 3 or 5 units

The total units required are 23 or 25 units.

**COURSES IN PHYSICAL EDUCATION**

**Required courses for all men and women:**

51-52. **HEALTH AND PHYSICAL EDUCATION**
Two semesters. One unit. Fee: $7.50. Mr. Hopson.

55. **FIRST AID AND HEALTH**
One semester. One unit. Fee: $7.50. Staff.
Other courses:

130. INTRODUCTION TO PHYSICAL EDUCATION

An introduction into 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. Mr. Bowman.

131. SENIOR LIFESAVING

One unit.

132. RED CROSS WATER SAFETY INSTRUCTION

One unit.

133. HORSEBACK RIDING

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.

134. PROBLEMS IN PHYSICAL EDUCATION

To create an awareness into the current problems, trends, and issues in the field of physical education. To identify and utilize varied sources of information and to make aware of new methods and materials. Two units. (Not offered 1972-73.)

233. INDIVIDUAL SPORTS

This course in teaching of individual sports includes bowling, badminton, tennis, golf, horseshoes, etc. Strategy, courtesy, and game etiquette are also introduced. Three units. Mr. Bowman.

234. TEAM SPORTS

Methods of soccer, basketball, baseball, and volleyball are stressed. Principles of rules and officiating are also introduced. Three units. Mr. Bowman.

[235. PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL]

The methods and materials for teaching physical education in the elementary school are considered. Curriculum planning, integration and correlation of the academic and the physical activity class, selection of materials, teaching techniques, and the selection of suitable activities for the elementary grades are emphasized. Three units. (Not offered 1972-73.)

236. PHYSICAL EDUCATION IN THE SECONDARY SCHOOL

The nature, scope, and potential of physical education in today's secondary school are considered. The role of Physical Education in the secondary school, curriculum planning, principles of teaching and scheduling, and unit planning are included in the course. Three units. Mr. Bowman.

237. ADMINISTRATION OF SECONDARY SCHOOL ATHLETICS

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.

[331. PSYCHOLOGY OF COACHING]

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. (Not offered 1972-73.)
[332. CAMPING AND RECREATION]

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. (Not offered 1972-73.)

399. 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.

INTER-DISCIPLINARY STUDIES

Inter-Disciplinary Committee:

Mr. Anderson, Bible
Mr. Barker, English
Mr. Donaldson, Chemistry
Mr. Nuermberger, Psychology
Mr. Sanderson, Philosophy
Mr. Voskuil, History
Mr. Young, Bible and Missions

In its belief that one of the distinctive values of the small liberal-arts college is the ability to bring the various disciplines together to share their insights and techniques, Covenant College intends to offer courses of an inter-disciplinary nature, usually team-taught, in order to stimulate a bridging by both faculty and students of the gaps existing between what may be rather arbitrarily divided areas of study. An inter-disciplinary major has been instituted to prepare students for the ministry and other vocations which demand a breadth of cultural knowledge and experience.

Requirements for the Major in Inter-Disciplinary Studies:

A) The core program, including distribution requirements.

B) A minimum of 12 hours, 200-level or above, in each of three of the following areas:
   1) Bible and Missions
   2) Education
   3) English
   4) History
   5) Mathematics
   6) Music History and Literature
   7) Philosophy
   8) Psychology
   9) Sociology

C) An additional 6 hours, 200-level or above, in any one or more of the above areas.

D) Total units=42, of which at least 21 must be upper division.

A minimum of 21 units in the Inter-Disciplinary Major must be earned at Covenant College. A maximum of 12 units of transfer credit may be granted in areas of study.
not currently taught at Covenant College but approved by the Inter-Disciplinary Committee as appropriate for meeting requirements in the Inter-Disciplinary Major.

COURSES IN INTER-DISCIPLINARY STUDIES

31-32. FOUNDATIONS OF MODERN CULTURE
A survey of Christian principles which provide a perspective for evaluating culture. The class will study those great ideas which are influencing life today. The areas primarily to be considered are philosophy and theology, science, history and social sciences, and education. Required of freshmen. Four units, each semester. Mr. Sanderson, Mr. Young, Mr. Barker, Mr. Donaldson, Mr. Nuernberger, Mr. Voskuil.

91-92. PHILOSOPHY OF THE CHRISTIAN FAITH
A survey of the system of doctrine taught in the scripture with a view toward seeking solutions for the problem of the relationship between Christ and culture. The first semester will include lectures and student forums. During the second semester students will be expected either to prepare a written thesis or project, which will provide an opportunity to explore and analyze a problem 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. Two units each semester. 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. Three units.

[281. ENVIRONMENTAL STUDIES]

[291. THE SPIRIT AND SUBSTANCE OF ART]
A discussion of the aesthetic aspect of creation, the motives which make for artistic creativity, the criteria by which aesthetic judgments are made. Selections from major thinkers will be read and discussed. Art objects will be examined and evaluated. Three units. (Not offered 1972-73.)

[391. OLD TESTAMENT VIEW OF LIFE]
An examination of the main themes of Job, certain Psalms, Proverbs, Ecclesiastes, and Lamentations. Permission of instructor required. Three units. (Not offered 1972-73.)

EXTRACURRICULAR ACTIVITIES

A major part of a student’s education is gained outside the classroom through participation in extracurricular activities, where one frequently learns lessons of teamwork, patience, endurance, reception of criticism, performance, and leadership. As a result, he finds out what gifts he has been given and develops
the ability to apply them responsibly. As a small college, Covenant offers a variety of extracurricular activities for all interested students, including:

Student Council, Christian Service Council, Student Judiciary Committee, Social Committee, Student Missions Fellowship, Literary Society, Music Club, Proto-Ministerial Club, Pep Club, Publications (weekly student newspaper, annual yearbook, and literary magazine), Drama Club, Chorale, Madrigal Singers, College-Community Chorus, Intra-Mural Athletics, Varsity Sports.

FINANCIAL INFORMATION

General Statement

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 on hand to cover the expenses of the first semester. It is not advisable for a freshman, particularly during the first semester, to attempt to earn any substantial part of his college expenses by outside employment.

The college does not require the signing of a formal agreement by the student. However, registration constitutes an agreement to accept and abide by all rules and regulations of the college affecting finance. The college does not maintain a billing system to parents but expects each student to take care of his account. This is part of the educational process, develops a sense of responsibility of meeting one’s obligations promptly, and familiarizes the student with the investment made in his education. The Registrar’s office will not issue transcripts of academic credit for students with unpaid college accounts.

Fees and Expenses

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<th>General</th>
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<tbody>
<tr>
<td>Application fee (Payable only once)</td>
<td>$ 15.00</td>
</tr>
<tr>
<td>Tuition, per semester (12-17½ units)</td>
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<tr>
<td>Tuition, for students taking fewer than 12 units, per unit</td>
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<tr>
<td>Tuition, for units in excess of 17½, per unit</td>
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<tr>
<td>College Program Support Fee, per semester</td>
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<tr>
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<td>Board, per semester</td>
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<td>Room, per semester (includes linens)</td>
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<tr>
<td>1/room</td>
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<td>2/room</td>
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<tr>
<td>3/room</td>
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<td>Special</td>
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<td>Change in course</td>
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<td>Late placement test, each</td>
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<td>Examinations at unscheduled hours</td>
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<td>Transcripts, after first, each</td>
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<td>Auto registration fee, per semester</td>
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<td>Physical education fee, per semester</td>
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<td>Graduation fee (does not include GRE fees)</td>
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<td>Chorale fee, per year</td>
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<td>Transportation to and from terminals, to be announced</td>
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<td>Auditing fee, per unit</td>
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<td>Late payment fee:</td>
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<tr>
<td>per day during first week after due date</td>
<td>3.00</td>
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<tr>
<td>or, after that week</td>
<td>25.00</td>
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<tr>
<td>Laboratory fees in sciences (see course descriptions in catalog)</td>
<td></td>
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</table>

**Music**

Fees for private instruction

For full-time students (per semester):

- One half-hour lesson weekly: 50.00
- Two half-hour lessons weekly: 100.00

For students not enrolled at the college:

- One half-hour lesson: 4.00

**Board and Room**

All college students must live in the dormitory unless specifically excused by the Dean of Students.

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.
Payment of College Charges

Policy. Inasmuch as a student's account cannot be estimated exactly in advance of registration day, it is required that the amount of Tuition, Room, Board, and College Program Support Fee, be paid at registration. This amount is $1290.00. The amount of any additional cost for books and special fees may be forwarded to parents by the student.

A $25.00 late payment fee will be charged on any account for which payment is received after 10 days from date of registration. If necessary, the Business Office will gladly assist students in their efforts to secure needed funds from external sources such as bank loans, government loans, and scholarship funds. Such assistance must be sought prior to the time of registration, and no student will be admitted to classes unless he has made complete arrangements for the full payment of all charges due.

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 year. 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 bedspreads and any other room accessories they desire.

Scholarships and Loans

Covenant College is desirous of assisting worthy students to receive a quality education. To this end, funds have been set aside which are largely underwritten by friends of the college, foundations, and the federal government.

1. Tuition Scholarships

A modest number of academic scholarships up to one-half of the tuition are awarded each year. In order to be eligible for renewal, a student must maintain a 3.3 grade-point average.

Some music scholarships are awarded to music majors who maintain a 3.0 grade-point average. This amounts to one-half tuition plus music fees and is renewable upon recommendation from the Music Department.

The Board of Trustees has established the Reformed Presbyterian Leadership Scholarships, granted only to entering freshman men who are members of the Reformed Presbyterian Church and who have shown leadership potential based upon their activities in the church, in the community, and in their high schools.
II. **Grants in Aid**

Several *athletic grants* are awarded towards tuition based upon athletic prowess and contribution to the Covenant College athletic program. These are renewable each year subject to the approval of the Athletic Department and the maintenance of a 2.0 grade-point average.

*Economic Opportunity Grants*, sponsored by the United States Department of Health, Education, and Welfare, are available to students who are United States citizens and who can demonstrate need in line with the provisions set forth by the Health, Education and Welfare office.

*Ministerial grants* (one-fourth of tuition) are awarded to dependent children of ordained Reformed Presbyterian ministers engaged in full-time pastorate, Christian service, board-appointed mission work, or retired from the same. Those who are eligible must file an application. A small number of these scholarships are available to non-Reformed Presbyterians based upon financial need.

*Professional Food-Service Management* has provided funds for tuition assistance each year.

The editors of the college publications, the *Bagpipe* and the *Tartan*, are granted tuition assistance.

*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.

*The Donald Andrew Mouritzen Prize* 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.

III. **Loans**

*National Defense Student Loans* are made available through the National Defense Education Act Loan Program sponsored by the United States Department of Health, Education, and Welfare. Funds are available to students who can demonstrate need in line with the provisions set forth in the act.

*United Student Aid Fund Loans* are set up through a private non-profit service corporation which endorses low-cost, long-term, loans to students through local banks. For additional information write to the Business Office of Covenant College or visit your local bank. Collateral for the loans is protected by the Covenant College deposit in the United Student Aid Fund insurance reserve.

*The Annie Irvine Scott Loan Scholarship Fund* (a memorial to the late Annie Irvine Scott of Gainesville, Texas) has been established at Covenant College and is available to students who are preparing for full-time Christian service and who are unable otherwise to obtain funds for their education.
The Clara Belle Dinkle Memorial, established by Captain and Mrs. Martinus Uding in memory of Mrs. Uding's aunt, is designated for the assistance of students seeking a nursing education. If such students are not available, this loan fund is to be used for assistance to children of missionaries.

IV. Work Scholarships

A limited number of work scholarships is available to students who need financial assistance and whose scholastic record is satisfactory.

Inquiries concerning financial aid should be addressed to Miss Phyllis Y. Crooks of the Student Aid Committee. Application for any financial assistance must include a family financial statement filed through the American College Testing Program, P.O. Box 1000, Iowa City, Iowa 52240, by May 1. The Covenant College code number is 3951.

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 fees will be refunded or remitted.

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.

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 therefrom 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 pro rata 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 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.
COLLEGE CALENDAR FOR 1972-73

FIRST SEMESTER

August 14      Soccer camp begins
August 15-18   Faculty fall conference
August 22      New students arrive on campus
August 22      Faculty reception for new students and parents
August 23, 24  Academic orientation and placement tests for new students
August 24      Registration of upperclassmen
August 25      Registration of freshmen and transfer students
August 26      School outing
August 27      Opening convocation
August 28      Classes begin
September 8    Last day to add a course or to change courses
September 26   Grub Day
September 29   Last day to drop a course
October 14     Homecoming
October 18-23  Fall recess (begins at 1:00 p.m., Wednesday)
October 20     College for a Day
October 23     Mid-semester marks due
October 24     Classes resume at 8:00 a.m.
November 3     All-school banquet
November 15    Day of Prayer
November 18    Saturday classes
November 23, 24 Thanksgiving Day recess
November 27    Classes resume
December 4-6   Christian Thought Conference
December 16-22 Final examinations

SECOND SEMESTER

January 9      Registration of upperclassmen
January 10     Registration of freshmen and transfer students
January 11     First day of classes
January 24     Last day to add a course or to change courses
February 15    Last day to drop a course
February 28    Day of Prayer
March 1        Mid-semester marks due
March 9-19     Spring recess (begins at 1:00 p.m., Friday)
March 9-18     L’Abri Conference, Dr. Francis A. Schaeffer
March 20       Classes resume, 8:00 a.m.
April 5        Grub Day
April 27       Garden Party
May 4          Last Day of classes
May 5-11       Final examinations
May 12         Commencement

Additional concerts and lectures and other cultural, athletic and social events will be scheduled throughout the year.
Covenant College is a four-year liberal arts college of the Reformed Presbyterian Church, Evangelical Synod, and is fully accredited by the Southern Association of Colleges and Schools.

CORRESPONDENCE:
For GENERAL INFORMATION, write Dr. Marion D. Barnes, President.
For ADMISSIONS INFORMATION, APPLICATION FORMS, and TRANS- CRIPTS, write Mr. Rudolph F. Schmidt, Director of Admissions.
For STUDENT AFFAIRS INFORMATION, write Dr. John P. Cummer, Dean of Students.
For FINANCIAL AID INFORMATION, write Miss Phyllis Y. Crooks, Student Aid Committee.

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