The thistle is the historic national flower of Scotland, the birthplace of a significant part of Presbyterianism. As the college of the Reformed Presbyterian Church, Evangelical Synod, Covenant has always incorporated the thistle in its symbols.

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On December 1, 1971, Covenant College was elected to full membership in the Southern Association of Colleges and Schools. The significance of that action is that Covenant now enjoys a fully accredited status.

Among the many benefits to Covenant students is the fact that their credits will now be validated for acceptance by graduate schools and undergraduate schools throughout the country. Further, many state scholarship sources which are restricted to students in accredited institutions will now be available to Covenant students. If you have specific questions about how Covenant's new status may affect your own education, please write the Registrar and Director of Admissions.
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" (Col. 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 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.
Life is lived today in uncertainty expressed in many forms—riots, strikes, economic recessions, inflation. In all this turmoil one must find his way and learn to live with meaning and purpose.

Covenant College can aid that quest. Purposefully committed to the Word of God and to truth in all its expressions, a highly-qualified, highly-motivated faculty is dedicated to achieving maximum growth and development of individual students. The extensive resources set forth in this catalog will be a challenge and an inspiration to every inquiring student.

Marion D. Barnes
President

FACULTY

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

ANDERSON, Charles W., Associate Professor of Bible (1964)
(on sabbatical leave, spring 1972)
Th.M. (to be awarded), University of the South; B.D., Faith Theological Seminary; A.B., Wheaton College

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

BARKER, William S., Associate Professor of History (1964)
Ph.D., Vanderbilt University; M.A., Cornell University; A.B., Princeton University; B.D., Covenant Theological Seminary

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

CANFIELD, John C., Associate Professor of Music (1970)
Ed.D., Florida State University; M.Ed., Cincinnati Conservatory of Music; B.S., Miami University

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
CROSBY, James R., Jr., Instructor in Modern Languages (1971)  
M.A., University of Mississippi; B.A., Stetson University

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

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

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

FENNEMA, John E., Instructor in Education (1971)  
M.A., Florida Atlantic University; B.A., Calvin College

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

HAGWOOD, T. Richard, Instructor in English (1970)  
M.A., University of Virginia; A.B., Wheaton College

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

HELLER, Karl-Heinz, Associate Professor of History (1967)  
Ph.D., University of Cincinnati; A.M., University of Pennsylvania; B.A., Mount Allison University; K.G.B., Hehre Handelschule (Hamburg); Th.M. and B.D., Pine Hill Divinity Hall

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

JUBIN, M. Anita, Instructor in Music (1970)  
M.F.A., University of Georgia; B.Mus. and B.A., University of South Carolina

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

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

MULLER, John S., Instructor in Sociology and Psychology (1971)  
Ph.D. candidate 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
OLNEY, H. Omar, Professor of Biology (1968)
Ph.D. and M.S., University of Delaware; B.S., John Brown University; Th.M., Dallas Theological Seminary

SANDERSON, John W., Jr., Professor of Philosophy, and Scholar in Residence (1963)
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 Chattanooga; A.B., Highland College

SLENKER, Marilyn K., Assistant Librarian (1970)
M.A. in Library Science, University of Iowa; B.A., Shetland 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., Assistant Professor of English (1969)
A.M., University of Michigan; A.B., Calvin College

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; Susan H. Keister, B.S., (State University of New York Teachers College), Physical Education

ADMINISTRATION
President: Marion D. Barnes, Ph.D., LL.D.
Dean of the Faculty: William S. Barker, Ph.D., B.D.
Dean of Students: John P. Cummer, Ed.D.
Vice-President for Development: E. Allen Duble
Chaplain: John MacGregor, B.D., B.A.
Assistant Dean of the Faculty: John M.L. Young, Th.M., A.M., D.D.
Registrar and Director of Admissions: Rudolph F. Schmidt, M.A.T.
Dean of Women: Collyn F. Schmidt, M.S., M.R.E.
FULL-TIME COLLEGE STAFF

Secretary to the President
Burdett, G. Craig—Manager of Accounting and Tuck Shoppe
Cochran, Patricia—College Nurse
Crooks, Phyllis—Assistant Manager of Accounting
Dotts, Raymond R.—Superintendent of Buildings and Grounds
Foster, Judy—Assistant to Manager of Tuck Shoppe
Fretts, Robert J.—Student Work Coordinator
Graf, William, Jr.—Director of Engineering
Harrison, Rosemary—Library Clerk
Larramore, R. Gilbert—Security Guard
MacGregor, Jane—College Hostess
McKinley, Ruth—Development Coordinator
Meffert, Shirley J.—Administrative Assistant to Director of Business Affairs
Moore, Fern—Secretary to Director of Admissions and to Dean of Faculty
Moore, John—Supervisor of Maintenance and Operations
Sims, Marie—Manager of Office Services
Sims, Willard—Supervisor of Grounds and Equipment
Wetzel, Arline—Assistant to the Deans

PART-TIME COLLEGE STAFF

Hurt, Gary—Security Guard
Massey, Lamar—Grounds Maintenance Man

BOARD OF TRUSTEES

Class of 1972

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 Theological Seminary; D.D., Wheaton College
GRAHAM D. GUTSCHE—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—Minister, Bethel Orthodox Presbyterian Church, Oostburg, Wisconsin. B.D., Westminster Theological Seminary
WALTER A. WALSTRUM—Plant Superintendent, N.V.F. Company, Newark, Delaware

Class of 1973

MAX E. BROWN—District Sales Manager, Detrex Chemical Industries, Inc., St. Louis, Missouri
CHARLES COX—Daniel Construction Company, Greenville, South Carolina. A.B.,
Covenant College; M.B.A., University of Chattanooga

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, Muscatine, Iowa. B.A., Covenant College; J.D., University of Iowa

K. RAY CRAWFORD—Insurance Agent, K. Ray Crawford Agency, Pittsburgh, Pennsylvania

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, Bethany Reformed Presbyterian Church, New Castle, Delaware. 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
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—as nearly all class rooms, dormitories, dining facilities and chapel are presently located in one building. These features should not be diminished, but rather enhanced as the college pursues a building program this year which will begin the development of a genuine campus appropriate for a community of Christian scholars, including a new men's residence hall, library, and physical education building—all three to be completed by the fall of 1972.

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 ultramicrofiche collection on American civilization.

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.
This is an actual size reproduction of a remarkable new technological achievement in library science from which you will benefit as a student at Covenant College.

The card illustrated at the right is an ultra-microfiche photographic record of two entire books with more than 950 pages of text. When used with a reader, the type is remarkably clear. The Covenant library has nearly 20,000 volumes concerning the history of American civilization in this collection, which was assembled by the Encyclopedia Britannica Co. Other subject areas will be added from time to time.

Our time. Wasting or abusing any of these dishonors the God who has 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 regulation.

Full community participation implies thinking carefully and critically about those regulations and participating in framing changes when change is needed. Covenant 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:

1. To seek in all things to live in conformity to the moral law of God as set forth in the word of God.

2. 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 may bring cars to campus except freshmen who are on probation and freshmen who are not maintaining at least a C average. Everyone must register motor vehicles with the office of student affairs and 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 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

ACREDITATION
Covenant College currently has correspondent status with the Southern Association of Colleges and Schools and is proceeding toward the goal of regional accreditation. The Southern Association’s Commission on Colleges said in a recent newsletter, “A Correspondent of the Commission on Colleges is an institution which has gained this pre-accreditation status by offering to the commission satisfactory evidence that it can achieve accreditation on a reasonable schedule.” An evaluation committee visited Covenant in the spring of 1971, and further action on accreditation will be taken by the Southern Association in December.

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. A policy of transfer of Covenant College credits has been arranged with the Universities of Georgia, Tennessee, Alabama, and Virginia.

Application for Admission. Application for admission must be made on the official form obtainable from the
Mr. Rudolph Schmidt, registrar and director of admissions

Director of Admissions. A fee of ten 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:

<table>
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<th>Subject</th>
<th>Units</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>
</tr>
</tbody>
</table>

Not more than four units in vocational or commercial subjects are acceptable. However, a course in personal typewriting is recommended.

Candidates for admission should present marks of A, B, or C in secondary school subjects and a combined score of 800 or higher in the SAT examinations.

Since the primary concern is evidence that a student is prepared to carry on college work, the Admissions Committee is willing to consider the applications of students whose preparation may vary from the usual pattern. For instance, students may be admitted if they have equivalent education representing a normal four-year course of study, provided they present above average marks and national test scores.

Honorably discharged military 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 and Covenant Theological Seminary may audit courses without tuition charge, unless they wish to apply credit toward another degree. 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 traditions, become acquainted with campus facilities, receive pre-registration counseling, participate in social gatherings, and complete their registration.

As a continuing part of the new student's orientation to college life, 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 $10.00.

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 60.
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.

Before graduation most seniors will be required to take the Graduate Record Examination Aptitude Test. Those students who have majored in biology, chemistry, English, history, music, philosophy, and psychology, or who have concentrated in mathematics and physics, may also take the special tests in the fields of their specialization, now required by many graduate schools.

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 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. 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. 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 a 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 units with a grade-point average of 1.5. JUNIORS must have at least 58 semester units with a grade-point average of 1.7. SENIORS must have at least 90 semester units with a grade-point average of 1.9.

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 main-

tain 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.
9. The completion of all required Graduate Record Examinations.

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>Credit Hours</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 and Health</td>
<td>2</td>
</tr>
</tbody>
</table>

Total 20

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>Credit Hours</th>
</tr>
</thead>
<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>

**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 |

Total 17

**Grand Total** 37 to 63

(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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition or Speech</td>
<td>3</td>
</tr>
<tr>
<td>Logic or Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Modern Culture</td>
<td>4</td>
</tr>
<tr>
<td>Bible</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td>Distribution courses and/or electives</td>
<td>6</td>
</tr>
</tbody>
</table>

**Sophomore**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christian Doctrine</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
</tr>
<tr>
<td>First Aid</td>
<td>1</td>
</tr>
<tr>
<td>Distribution Courses and/or Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Junior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>Major and Minor Course Requirements and Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

**Senior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy of the Christian Faith</td>
<td>2</td>
</tr>
<tr>
<td>Major and Minor Course Requirements and Electives</td>
<td>13</td>
</tr>
</tbody>
</table>

A student electing foreign language 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 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; Language and Literature; Music; Natural Sciences and Mathematics; and Psychology and Education.
In addition a special committee supervises Inter-disciplinary Studies.

**Major programs**
- Bible and missions
- History
- English
- Music
- Applied music
- Music Education
- Biology
- Chemistry
- Natural science (with concentration in biology, chemistry, mathematics, or physics)
- Psychology
- Inter-disciplinary studies

**Minor programs**
- Bible and missions
- Philosophy
- History
- Sociology
- English
- Music
- Biology
- Chemistry
- Mathematics
- Physics
- Psychology
- Education
- Physical education

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

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

**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 100's are open to freshmen, those in the 200's 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 300's and 400's) 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 [ ] surrounding 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.
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 17), the following are required for a Bible and Missions Major:

**Concentration in Bible**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible “book study courses”</td>
<td>12</td>
</tr>
<tr>
<td>Bible Seminar</td>
<td>4</td>
</tr>
<tr>
<td>Missions</td>
<td>3</td>
</tr>
<tr>
<td>Any two other courses in this department</td>
<td>6</td>
</tr>
<tr>
<td>department (non-core)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>25</td>
</tr>
</tbody>
</table>

**Concentration in Missions**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missions studies</td>
<td>12</td>
</tr>
<tr>
<td>Bible Seminar</td>
<td>4</td>
</tr>
<tr>
<td>Bible “book study courses”</td>
<td>6</td>
</tr>
<tr>
<td>One other course in this department</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>25</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 309-310:</td>
<td></td>
</tr>
<tr>
<td>History of Christianity</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible book studies</td>
<td>6</td>
</tr>
<tr>
<td>Other Bible and Missions offerings (non-core)</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

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.

[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. (Not offered 1971-72).

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 inter-testamentary period, including the Dead Sea scrolls, and an examination of various interpretations as developed in recent years. Three units. Mr. Gilchrist.

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. Mr. Clark.

[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. (Not offered 1971-72).

307. CHRISTIAN ETHICS
   A concentrated study of Biblical ethics in context with special emphasis on the Decalogue and the doctrine of sanctification. Three units. Mr. Anderson.

308. CHRISTIAN APOLOGISTICS
   A survey of various systems of Christian apologetics including study of anti-theistic theories. Three units. Mr. Krabbendam.

341. PENTATEUCH AND HISTORICAL BOOKS
342. PROPHETS OF ISRAEL
345. GOSPELS AND ACTS
346. EPISTLES
   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.

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. Mr. Gilchrist.

[402. ISAIAH]
   A study of the prophecy of Isaiah against its historical background with special consideration for the Messianic prophecies. Three units. (Not offered 1971-72).

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 sal-
vation and a method of presenting that plan to others. Three units. Mr. Gilchrist.

[406. HEBREWS]

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

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).

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).

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. (Not offered 1971-72).
[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. (Not offered 1971-72).

[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 1971-72).

[302. MISSIONARY METHODS AND PROBLEMS]
Methods of conducting the missionary effort in foreign countries will be studied in relation to such matters as communications, elenetics, 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 1971-72).

[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 1971-72).

[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.

[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 1971-72).

[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 1971-72).

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 of 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 |

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.

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. Mr. Belz.

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. Sanderson.

[301. PLATO]
An introduction to philosophy and its history through a study of the major dialogues. Three units. (Not offered 1971-72).

[302. MEDIEVAL THOUGHT]
A study of the Church Fathers and medieval thinkers, with special emphasis on Augustine and Aquinas. Three units. (Not offered 1971-72).

303. RATIONALISM AND EMPIRICISM
Philosophical thought from Descartes through Hume. Attention will be paid both to the development within these schools and their contemporary significance. Three units. Mr. Sanderson.

304. GERMAN PHILOSOPHY
Kant, Fichte, and Hegel—with special attention to their influence on today’s thought. Three units. Mr. Sanderson.

[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. (Not offered 1971-72).

308. AESTHETICS
The clarification of terms and a discussion of proposed criteria for aesthetic judgments. Major works will be read and discussed. Three units. Mr. N. Barker and Mr. Sanderson. (See Inter-disciplinary Studies 291.)

[309. ADVANCED LOGIC]
The propositional calculus and general quantification theory, with some attention to practical application of these principles. Three units. (Not offered 1971-72).

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. Two, three, or four units.

[401. 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. (Not offered 1971-72).

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. Mr. W. Barker.

[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. (Not offered 1971-72).

[407-408. PHILOSOPHY SEMINAR]
A discussion in depth of the writings of a philosopher, or of a problem in philosophy. Student will prepare reports, read papers, and lead discussion. Three units each semester. (Not offered 1971-72).
Major
History

Minor
History
Sociology

Courses
Anthropology
Communications
Government

Faculty
Mr. W. Barker, Ph.D.
Mr. Heller, Ph.D., Chairman
Mr. Muller, M.S.
Mr. Schmidt, M.A.T.

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 should be taken in the junior year.

Requirements for History Major: In addition to the general requirements for graduation (see page 17), the following are required for a history major:

- History 102, 211-212, 300, 306-307 18 units
- Any three other History courses 9 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.

Students intending to go on to graduate work in history are urged to gain a reading knowledge of either French or German, or preferably both.

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.

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. Heller.

[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. (Not offered 1971-72).

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. Heller.

[301-302. HISTORY OF ENGLAND]
The First semester is a survey of English history from the earliest time to 1700; the second semester, from 1700 to the present. Six units. (Not offered 1971-72).

303. 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. Mr. Heller.

[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 1971-72).

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. Mr. W. Barker.

[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 1971-72).

[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. (Not offered 1971-72).

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. Mr. Heller.

[309-310. 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. (Not offered 1971-72).

[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 1972-72).

402. SEMINAR IN MODERN EUROPEAN HISTORY
Intensive study of select problems of interpretation and related literature. Restricted to seniors. Three units. Mr. Heller.

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. Mr. Heller.

[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 1971-72).
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. Mr. Muller.

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. Mr. Muller.

[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. (Not offered 1971-72).

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. Mr. Muller.

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, etc. Three units. (Not offered 1971-72).

[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 1971-72).

[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. Two units. (Not offered 1971-72).

[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 1971-72).

[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 1971-72).
Faculty
Mr. N. Barker, Ph.D., Chairman
Mr. Crosby, M.A.
Mr. Hagwood, M.A.
Miss Vander Ark, A.M.

Major
English

Minor
English

Courses
French
German
Greek

Requirements for English Major: In addition to the general requirements for graduation (see page 17), the following are required for an English major:

English courses, 200-level or above 24 units
including:
English 201 or 202 3 units
English 215, 260, 272, or 273 3 units
English 310, 317, 322, or 333 3 units
English 334, 341, or 352 3 units
English 406, 418, or 423 3 units
English 303, 366, 367, or 425 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 elective courses in the fields of history and philosophy.

LANGUAGES AND LITERATURE

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. (Not offered 1971-72).

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. Miss Vander Ark.

[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 American Negroes; 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 1971-72).

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. 201: Mr. Hagwood; 202: Miss Vander Ark.
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 1971-72).

260. THE ENGLISH NOVEL
Critical studies of a limited number of works by the major writers of English fiction. Three units. (Not offered 1971-72).

272. AMERICAN POETRY

273. THE AMERICAN NOVEL
Critical reading of representative American novels from Cooper to the present. Three units. (Not offered 1971-72).

303. 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. Miss Vander Ark.

310. THE MEDIEVAL LITERATURE OF ENGLAND

317. THE SIXTEENTH CENTURY
A study of two or more of the important writers or works of the period, including Spenser. Three units. Mr. N. Barker.

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. Mr. N. Barker.

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. (Not offered 1971-72).

344. THE ROMANTIC MOVEMENT
A study of English Romantic writers from Blake to Keats. Three units. (Not offered 1971-72).

341. THE VICTORIAN ERA
A study of major English writers from 1830 to the end of the century. Three units. (Not offered 1971-72).

352. TWENTIETH CENTURY LITERATURE
A study of important works of writers in English and American literature from 1900 to the present. Three units. Mr. Hagwood.

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. (Not offered 1971-72).

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. (Not offered 1971-72).
418. **SHAKESPEARE**
   A study of Shakespeare's dramatic art. Three units. Mr. N. Barker.

423. **MILTON**
   A study of Milton's English poetry, with some attention also to his prose works. Three units. Mr. N. Barker.

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. (Not offered 1971-72).

**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.

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**THE FOREIGN LANGUAGE REQUIREMENT**

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.

**COURSES IN FRENCH**

61-62. **ELEMENTARY FRENCH**
   Pronunciation, fundamentals of grammar, readings, conversation and composition. Eight units. Mr. Crosby.

63-64. **INTERMEDIATE FRENCH**
   Review of grammar and basic skills; selected readings in French. Six units. Mr. Crosby.
COURSES IN GERMAN

71-72. ELEMENTARY GERMAN
  Grammar, pronunciation, reading, and conversation. Eight units. Mr. Crosby.

[73-74. INTERMEDIATE GERMAN]

COURSES IN GREEK

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

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. Mr. Gilchrist.

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

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, Dr. Canfield. 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 of 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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<tr>
<th>FALL</th>
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<tr>
<td><strong>Freshmen:</strong></td>
<td><strong>Freshmen:</strong></td>
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<td>Old Testament</td>
<td>New Testament</td>
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<tr>
<td>3</td>
<td>3</td>
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<td>English Comp. or Speech</td>
<td>Math or Logic</td>
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<td>Foundations of Modern</td>
<td>Foundations of Modern</td>
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<td>Culture</td>
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<tr>
<td>Music Theory I, 161</td>
<td>Music Theory I, 162</td>
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<tr>
<td>Applied Music—Private, 111</td>
<td>Applied Music—Private, 112</td>
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<td>Applied Music—Ensemble</td>
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<td>Health and Physical Education</td>
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**Sophomores:**

| Christian Doctrine               | Christian Doctrine              |
| 3                               | 3                               |
| Distribution Course: Humanities  | Introduction to Music, 171      |
| 3                               | 3                               |
| Foreign Language                 | Foreign Language                |
| 4                               | 4                               |
| Music Theory II, 261             | Music Theory II, 262            |
| 4                               | 4                               |
| Applied Music—Private, 211       | Applied Music—Private, 212      |
| 2                               | 2                               |
| Applied Music—Ensemble           | Applied Music—Ensemble          |
| 0                               | 0                               |
| **Total:**                       | **Total:**                      |
| 16                              | 16                              |

**Juniors:**

| Foreign Language                 | Foreign Language                |
| 3                               | 3                               |
| Music History, 371               | Music History, 372              |
| 3                               | 3                               |
| Distribution course: Soc. Sci.   | Electives                       |
| 3                               | 6                               |
| Applied Music—private, 311       | Applied Music—Private, 312      |
| 2                               | 2                               |
| Applied Music—Ensemble           | Applied Music—Ensemble          |
| 0                               | 0                               |
| First Aid                        | Basic Conducting                |
| 1                               | 1                               |
| Elective                         |                                  |
| 3                               |                                  |
| **Total:**                       | **Total:**                      |
| 15                              | 15                              |

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 131 units will basically meet the requirements for teacher certification in most states.

The following distribution of courses is recommended:

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<th>FALL</th>
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<tbody>
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<td><strong>Freshmen:</strong></td>
<td><strong>Freshmen:</strong></td>
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<td>Old Testament</td>
<td>New Testament</td>
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<tr>
<td>English Composition</td>
<td>Foundations of Modern Culture</td>
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<td>Foundations of Modern</td>
<td>Foundations of Modern Culture</td>
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<td>Music Theory I, 161</td>
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<td>Health and Physical Education</td>
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### Sophomores:

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<tr>
<td>Christian Doctrine</td>
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<tr>
<td>General Psychology</td>
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<td>Music Theory II, 261</td>
<td>4</td>
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<tr>
<td>W.W. or Perc. Methods</td>
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<tr>
<td>Applied Music—Private, 221</td>
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<tr>
<td>Applied Music—Ensemble</td>
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<td>String Methods, 255</td>
<td>2</td>
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<td>First Aid</td>
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<table>
<thead>
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<th>Course</th>
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<tr>
<td>Christian Doctrine</td>
<td>3</td>
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<td>Math or Logic</td>
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<tr>
<td>Music Theory II, 262</td>
<td>4</td>
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<tr>
<td>Brass or Vocal Methods</td>
<td>2</td>
</tr>
<tr>
<td>Applied Music—Private, 222</td>
<td>2</td>
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<tr>
<td>Applied Music—Ensemble</td>
<td>0</td>
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<tr>
<td>String Methods, 256</td>
<td>2</td>
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<td></td>
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### Juniors:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Music in Secondary Schools, 351</td>
<td>2</td>
</tr>
<tr>
<td>Music History, 371</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Teaching and Learning, 221</td>
<td>3</td>
</tr>
<tr>
<td>W.W. or Perc. Methods 251 (253)</td>
<td>2</td>
</tr>
<tr>
<td>Applied Music—Private, 321</td>
<td>2</td>
</tr>
<tr>
<td>Applied Music—Ensemble</td>
<td>0</td>
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<tr>
<td>Electives</td>
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<table>
<thead>
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<tr>
<td>Educational Psychology</td>
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<tr>
<td>Music in Elem. Schools, 352</td>
<td>2</td>
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<tr>
<td>Music History, 372</td>
<td>3</td>
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<tr>
<td>Speech</td>
<td>3</td>
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<tr>
<td>Brass or Vocal Methods 252 (254)</td>
<td>2</td>
</tr>
<tr>
<td>Applied Music—Private, 322</td>
<td>2</td>
</tr>
<tr>
<td>Applied Music—Ensemble</td>
<td>0</td>
</tr>
<tr>
<td>Basic Conducting, 282</td>
<td>1</td>
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### Seniors:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Philosophy of Christian Faith</td>
<td>2</td>
</tr>
<tr>
<td>Science or Foreign Language</td>
<td>4</td>
</tr>
<tr>
<td>Orchestration, 461</td>
<td>2</td>
</tr>
<tr>
<td>Applied Music—Private, 421</td>
<td>2</td>
</tr>
<tr>
<td>Applied Music—Ensemble</td>
<td>0</td>
</tr>
<tr>
<td>Adolescent Psychology, 306</td>
<td>3</td>
</tr>
<tr>
<td>Conducting: Inst. and Voc. 381</td>
<td>2</td>
</tr>
<tr>
<td>Music Seminar, 483</td>
<td>1</td>
</tr>
<tr>
<td>Senior Recital</td>
<td>0</td>
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<td></td>
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</tbody>
</table>

**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:

#### FALL

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Old Testament</td>
<td>3</td>
</tr>
<tr>
<td>English Composition or Speech</td>
<td>3</td>
</tr>
<tr>
<td>Music Theory I, 161</td>
<td>4</td>
</tr>
<tr>
<td>Applied Music—Major Instrument, 141</td>
<td>4</td>
</tr>
<tr>
<td>Applied Music—Minor Instrument, 131</td>
<td>2</td>
</tr>
<tr>
<td>Applied Music—Ensemble</td>
<td>0</td>
</tr>
<tr>
<td>Health and P.E.</td>
<td>½</td>
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#### SPRING

<table>
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<tr>
<th>Course</th>
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<tr>
<td>New Testament</td>
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</tr>
<tr>
<td>Introduction to Music, 171</td>
<td>3</td>
</tr>
<tr>
<td>Music Theory I, 162</td>
<td>4</td>
</tr>
<tr>
<td>Applied Music—Major Instrument, 142</td>
<td>4</td>
</tr>
<tr>
<td>Applied Music—Minor Instrument, 132</td>
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<tr>
<td>Applied Music—Ensemble</td>
<td>0</td>
</tr>
<tr>
<td>Health and P.E.</td>
<td>½</td>
</tr>
<tr>
<td></td>
<td><strong>16½</strong></td>
</tr>
</tbody>
</table>
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 ear 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. Mr. Canfield.

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. Miss Jubin.

374. VOICE LITERATURE]
A comprehensive study of art song literature. Two units. (Not offered 1971-72).

473. CHORAL LITERATURE]
A comprehensive study of the choral literature of all periods. Two units. (Not offered 1971-72).

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. Miss Jubin and Mr. Canfield.

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. Mr. Canfield and Miss Jubin.

362. COUNTERPOINT
The harmonic contrapuntal technique of the eighteenth century. Second semester. Two units. (Not offered 1971-72).

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 neces-
sary 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.

[462. CHORAL ARRANGING]

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, beginning in spring 1972. Two units. (Not offered 1971-72).

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, beginning in 1970. Two units. (Not offered 1971-72). [252. BRASS METHODS]
Trumpet concentration, also french horn, trombone, and tuba methods. Offered in spring semester of alternate years, beginning in 1971. Two units. (Not offered 1971-72).

[253. PERCUSSION METHODS]
Snare drum concentration, also tympani, and tuned percussion methods. Offered in fall semester of alternate years, beginning 1971. Two units. (Not offered 1971-72).

255-256. STRING METHODS
Violin concentration, and viola, cello, and bass methods. Two units each semester. Mr. Canfield.

[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 organization, seating, discipline, etc. Offered in the fall semester. Two units. (Not offered 1971-72).

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.

MISCELLANEOUS MUSIC COURSES

282. BASIC CONDUCTING
Fundamental conducting techniques, including beat patterns, left hand dynamic control, simple phrasing, tempo and rhythmic changes. One unit. Mr. Hamm.

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.

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

190. SCOTS PIPE BAND
Membership is by audition. One-half hour class weekly plus outside practice. One-half unit each semester. Mr. Joe Dunaway.

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. Canfield.

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.
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 another 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.

### Majors
- Biology
- Chemistry
- Natural Science

### Minor
- Biology
- Chemistry
- Mathematics
- Physics

### Faculty
- Mr. Barnes, Ph.D.
- Mr. Dameron, M.S.
- Mr. Donaldson, Ph.D.
- Mr. Keister, Ph.D.
- Mr. Lothers, Ph.D., Chairman
- Mr. Olney, Ph.D.

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

103. **Elements of Astronomy and Geology**
The persons who were prominent in the history of astronomy and geology will be studied so as to review the impact of these sciences upon Christian thought. Basic modern theory will be coupled with telescopic observation, laboratory work with mineral specimens, and some field work involving fossiliferous strata. Three hours lecture. Two hours laboratory. Laboratory fee: $15.00. Four units. Mr. Olney.

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**
An introduction to biological principles; a study of plant and animal organisms, with a survey of the main historical developments, methods, and current concepts and problems. Three hours lecture. Three hours laboratory. Laboratory fee: $15.00 per semester. Staff. Eight units.

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. Staff.

212. **Bacteriology**
Life histories, morphology, physiology, identification, culture techniques, and immunity. Three hours lecture. Three hours laboratory. Laboratory fee: $10.00. Four units. Mr. Lothers.

[218. **Ecology**]
Relations of organisms to the physical and biological conditions un-
der which they live. Three hours lecture. Three hours laboratory. Prerequisite: Biology 111-112 or equivalent. Laboratory fee: $10.00. Four units. (Not offered 1971-72).

[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. (Not offered 1971-72).

314. EMBRYOLOGY
Development of vertebrate animals. 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. (Not offered 1971-72).

[318. PLANT ANATOMY]
Anatomy of the higher plants with emphasis on the woody forms. The laboratory work will include instruction in microtechnique and photomicrophotography. Prerequisite: Biology 111-112 or equivalent. Three hours lecture. Four hours laboratory. Laboratory fee: $10.00. Four units. (Not offered 1971-72).

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.

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. Olney, 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 requirement 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. Students may select problems in plant physiology, plant biochemistry, biological instrumentation, embryology, bacterial genetics and ecology. Problems in other areas are also possible. Prerequisite: Eight hours of 200 or 300 courses. Up to three units credit, but no more than two units in one semester. Mr. Olney, 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. Four units. Mr. Donaldson. (Offered on demand).

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.

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 per semester. Refundable breakage deposit: $10.00. Four units. Mr. Olney.

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. Staff. (Offered in alternate years). Mr. Donaldson.

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. Kiester.

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. (Not offered 1971-72).

333. 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 units. (Not offered 1971-72).

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 correla-
tion, 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 1971-72).

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. Prerequisites: 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. Mr. Keister.

344. MODERN ALGEBRA
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. (Not offered 1971-72).

345. 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. (Not offered 1971-72).

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. Six units. (Offered on demand). Mr. Keister.

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, 314, 411, 416 (2 units), either 317 or 319, and one course chosen from 211, 212, and 318; Chemistry 121-122 and 323-324. Physics 131-132 and Mathematics 145-146 are required for those planning to go to graduate school.
### MAJOR IN CHEMISTRY

**Requirements:** At least 24 hours beyond Chemistry 121-122, including 323-324, 325-326, and 425-426; Physics 131-132 and 332; 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.

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<thead>
<tr>
<th>Freshman</th>
<th>Fall</th>
<th>Spring</th>
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<tr>
<td>Chemistry 121-122</td>
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<tr>
<td>O.T. and N.T.</td>
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<td>3</td>
</tr>
<tr>
<td>Mathematics 145-146</td>
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<td>English Composition or Speech</td>
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<td>-</td>
</tr>
<tr>
<td>Distribution Requirement</td>
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<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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<tr>
<td>Foundations of Modern Culture</td>
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</tbody>
</table>

#### Fall
- Philosophy of the Christian Faith 2
- Physics 131-132 4
- Biology 4
- Current Concepts in Biology 2
- Directed Studies 2
- Distribution Requirement 3
- Electives 7

#### Spring
- German 4
- Physical Education 1
- Distribution Requirements 6
- Foundations of Modern Culture 17

#### Junior
- Chemistry 325-326 4
- German 3
- Doctrine 3
- Physics 332 3
- Courses in Minor 3
- Elective 3

#### Senior
- Philosophy of the Christian Faith 2
- Courses in Minor 3
- Electives 3

#### Fall
- Structure of Knowledge 3
- Foreign Language 3

#### Spring
- 12

#### Total Hours
- 15
- 15

### MAJOR IN NATURAL SCIENCE—CONCENTRATION IN BIOLOGY

**Requirements:** At least 16 hours beyond Biology 111-112; Basic Science 103; 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.

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 111-112</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Chemistry 121-122</td>
<td>4</td>
<td>4</td>
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<tr>
<td>O.T. and N.T.</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 141</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>English Composition or Speech</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>General Psychology</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td>Foundations of Modern Culture</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Fall
- Mathematics 3
- Doctire 3
- Biology 4
- Educational Psychology 3
- Principles of Teaching 3
- Physical Education 1
- Foreign Language 4

#### Spring
- Teaching and Learning Models 3
- Student Teaching 6
- Electives 4

#### Junior
- Physics 131-132 4
- Chemistry 323-324 4
- Philosophy of the Christian Faith 2
- Biology 4
- Student Teaching 6
- Electives 4

#### Senior
- Basic Science 103 4
- Philosophy of the Christian Faith 2
- Biology 4
- Electives 4

#### Total Hours
- 45
MAJOR IN NATURAL SCIENCE—
CONCENTRATION IN CHEMISTRY

Requirements: At least 20 hours beyond Chemistry 121-122: Basic Science 103; Biology 111-112; Physics 131-132 and 332; 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.

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Fall</th>
<th>Spring</th>
<th>Sophomore</th>
<th>Fall</th>
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<tr>
<td>Chemistry 121-122</td>
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<td>4</td>
<td>Chemistry 323-324</td>
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<td>4</td>
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<tr>
<td>O.T. and N.T.</td>
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<td>3</td>
<td>Biology 111-112</td>
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<td>4</td>
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<tr>
<td>Mathematics 145-146</td>
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<td>4</td>
<td>Principles of Teaching and Learning</td>
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<tr>
<td>English Composition or Speech</td>
<td>3</td>
<td>—</td>
<td>Educational Psychology</td>
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<td>Language</td>
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<td>Foundations of Modern Culture</td>
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<td>4</td>
<td>Physical Education</td>
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<tr>
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</tbody>
</table>

Junior

| Mathematics 341-342 | 3 | 3 | Philosophy of the Christian Faith | 2 | 2 |
| Physics courses | 3 | 3 | Biology 111-112 | 4 | 4 |
| Physics 337-338 | 1 | 1 | Distribution | — | — |
| Foreign Language | 4 | 4 | Education 321 and 324 | 3 | — |
| English 221 and 222 | 3 | — | Student Teaching | — | 6 |
|                    | — | — | 14 | 14 | *Electives | 5 | 3 |
|                    | 14 | 3 | 15 | 15 |

Senior

*Under the Concentration in Physics program these courses should be replaced by Physical Chemistry 425-426.

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.
Major
Psychology

Faculty
Mr. Bowman, M.A.
Mr. Cummer, Ed.D.
Mr. Fennema, M.A.
Mr. MuUer, M.S.
Mr. Nuermberger, Ph.D.
Chairman
Mrs. Schmidt, M.S.
Mrs. Steensma, M.A.

Minors
Education
Physical Education
Psychology

Program in
Nursing Education

MAJOR IN 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 applications 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 17 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. HUMAN PHYSIOLOGY (Biology 319) as a pre-requisite to, or it may be taken simultaneously with, PSYCHOPATHOLOGY.

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

Requirements for the Psychology Minor:
Twelve hours of psychology 200-level or above, six of which must be upper division.

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. Nuermberger.

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. Nuermberger.

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. (Not offered 1971-72).

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. Mr. Nuermberger.

[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. (Not offered 1971-72).

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, Frankl, and Glasser. Four units. Mr. Nuermberger.

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. Pre-requisite: Biology 319. Four units. Mr. Nuermberger.

[310. SEMINAR IN PSYCHOTHERAPY]

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.

[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. Mr. Muller.

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. Mr. Muller.

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. Pre-requisites: 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

Requirements for the Minor in Education: All prospective teachers must have a major in an academic discipline. A sequence of 12 semester hours of pre-professional courses will constitute a minor. The basic sequence is:

- Principles of Teaching and Learning 3 units
- Educational Psychology 3 units
- Structure of Knowledge 3 units
- Designing Teaching-Learning Models 3 units
- Teaching Practicum 6, 8, or 9 units

Pre-professional courses in education are open to all students except freshmen on an elective basis. The above sequence is usually sufficient for certification on the secondary level. Certification on the elementary level requires additional professional courses. Development of a Georgia approved teacher education program is an immediate goal.

Students who have studied education based upon scriptural principles are equipped 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.

COURSES IN EDUCATION

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. Students will be involved in local schools in pre-practicum experiences. 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. Pre-practicum experiences included. Three units. Mrs. Steensma and Mr. Cummer.

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 knowing, and the relationship to every other discipline. A Christian world-and-life view is key to the content. 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 and the educational level for which he is registered. Three units. Mrs. Steensma.

326. THE TEACHING 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. Three units. Mr. Fennema.

[366. LITERATURE FOR CHILDREN AND ADOLESCENTS]
(See English 366).

367. APPLIED ENGLISH STUDIES
(See English 367). English majors may substitute this course for Teaching-Learning Models 324.

422. TEACHING PRACTICUM
Students are involved in direct teaching experiences in classrooms. A weekly seminar is conducted with the college supervisor. Six; eight, or nine units. Details of options may be obtained in the education office. Mr. Fennema and Miss Vander Ark.
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 recognizes this trend and has made arrangements with several of the country's leading collegiate schools of nursing to allow qualified students to enter these schools to work toward the B.S. in Nursing. By the satisfactory completion of the pre-nursing curriculum at Covenant College the student may in two academic years meet course requirements for admission to the College of Nursing, University of Tennessee, Memphis, Tennessee; Faculty of Medicine, School of Nursing, Columbia University, New York City; and the School of Nursing, Emory University, Atlanta, Georgia.

At the University of Tennessee and at Emory University the B.S. in nursing can be earned in three additional academic years; at Columbia University the program can be completed in two academic years and two summer sessions.

Requirements for Pre-Nursing Program:

<table>
<thead>
<tr>
<th>First Year</th>
<th>Fall</th>
<th>Spring</th>
<th>Second Year</th>
<th>Fall</th>
<th>Spring</th>
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<tr>
<td>Foundations of Modern Culture</td>
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<td>4</td>
<td>Biology</td>
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<tr>
<td>Chemistry</td>
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<tr>
<td>Bible</td>
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<td>Sociology or Psychology</td>
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<tr>
<td>Introduction to Nursing</td>
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<td>0</td>
<td>Christian Doctrine</td>
<td>3</td>
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<td>Psychology or Sociology</td>
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<td>Electives</td>
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<td>0-3</td>
<td>3</td>
<td>16</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

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 $7.50 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 4 units

Total 23 or 24 units

COURSES IN PHYSICAL EDUCATION

51-52. HEALTH AND PHYSICAL EDUCATION
Two semesters. One unit. Fee: $7.50. Mr. Bowman, Mrs. Keister.

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.

231. 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. Mr. Bowman.
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. (Not offered 1971-72).

234. TEAM SPORTS
Methods of soccer, basketball, baseball, and volleyball are stressed. Principles of rules and officiating are also introduced. Three units. (Not offered 1971-72).

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. Mr. Bowman.

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. (Not offered 1971-72).

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. (Not offered 1971-72).

238. 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 1971-72).

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.

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. Mr. Bowman.
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.

Mr. Sanderson
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  5) Mathematics
   2) Education          6) Music History and literature
   3) English            7) Philosophy
   4) History            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.

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. W. Barker, Mr. Young, Mrs. Steensma, Mr. N. Barker, Mr. Olney.

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 they will engage in discussions on topics derived from a select list of readings in the history of thought significant for Christianity. Required of seniors. Two units each semester. Mr. Anderson and Mr. Young.

[271. HISTORY AND CULTURE OF THE AMERICAN NEGRO]
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. (Not offered 1971-72).

[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. Mr. N. Barker and Mr. Sanderson.

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. Mr. Sanderson.
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, Pre-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.
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

General

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<tr>
<td>Tuition, per semester (12-17 units)</td>
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<td>Tuition, for students taking fewer than 12 units, per unit</td>
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<td>Tuition, for units in excess of 17, per unit</td>
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<tr>
<td>Fees (Student Activity, Health and Insurance, Library), per semester</td>
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Residence

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<td>Key deposit</td>
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FINANCIAL INFORMATION

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<td>Board, per semester</td>
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<td>Room, per semester (includes linens)</td>
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Special

<table>
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<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advance deposit on fees (not refundable)</td>
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<tr>
<td>Late registration</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>Auto registration fee, per semester</td>
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</tr>
<tr>
<td>Physical education fee, per semester</td>
<td>$7.50</td>
</tr>
<tr>
<td>Graduation fee</td>
<td>$30.00</td>
</tr>
<tr>
<td>Chorale fee, per year</td>
<td>$3.00</td>
</tr>
<tr>
<td>Transportation to and from terminals, to be announced</td>
<td></td>
</tr>
<tr>
<td>Auditing fee, per unit</td>
<td>$25.00</td>
</tr>
<tr>
<td>Laboratory fees in sciences</td>
<td></td>
</tr>
<tr>
<td>(see course descriptions in catalog)</td>
<td></td>
</tr>
</tbody>
</table>

Music

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fees for private instruction (per semester):</td>
<td></td>
</tr>
<tr>
<td>For full-time students:</td>
<td></td>
</tr>
<tr>
<td>One half-hour lesson weekly</td>
<td>$50.00</td>
</tr>
<tr>
<td>Two half-hour lessons weekly</td>
<td>$100.00</td>
</tr>
<tr>
<td>For students not enrolled at the college:</td>
<td></td>
</tr>
<tr>
<td>One half-hour lesson</td>
<td>$4.00</td>
</tr>
</tbody>
</table>
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.

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, Student Activity, Health and Insurance, and Library Fee, be paid at registration. This amount is $1110.50. 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 bed spreads 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-ap-
pointed 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 Manage-
ment* has provided funds for tuition
assistance each year.

The editors of the college publica-
tions, the *Bagpipe* and the *Tartan*, are
granted tuition assistance.

*The Barrows Endowment Fund*,
established by Mr. and Mrs. Fred C.
Barrows of Lookout Mountain, pro-
vides 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 Uni-
ted 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 contribu-
tion to the athletic program of the
college.

**III. Loans**

*National Defense Student Loans*
are made available through the Na-
tional Defense Education Act Loan
Program sponsored by the United
States Department of Health, Educa-
tion, 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-pro-
fit service corporation which endorses
low-cost, long-term loans to students
through local banks. For additional
information write to the Business Of-
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 Cove-
nant 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. Mar-
tinus 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 scholar-
ships is available to students who need
financial assistance and whose scholas-
tic record is satisfactory.

Inquiries concerning financial aid
should be addressed to Miss Phyllis
Y. Crooks of the Student Aid Commit-
tee. Application for any financial as-
stance must include a family finan-
cial statement filed through the Ameri-
can College Testing Program, P.O. Box
1000, Iowa City, Iowa 52240, by May
1.
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.
**Calendar 1971-72**

**First Semester**
- **August 17**: Soccer camp begins
- **August 19, 20**: Faculty fall conference
- **August 24**: New students arrive on campus
- **August 24**: Faculty reception for new students and parents
- **August 25, 26**: Academic orientation and placement tests for new students
- **August 26**: Registration of upperclassmen
- **August 27**: Registration of freshmen and transfer students
- **August 28**: School outing
- **August 29**: Opening convocation
- **August 30**: Classes begin

**Second Semester**
- **January 4**: Registration for upperclassmen
- **September 10**: Last day to add a course or to change courses
- **September 13-17**: Special lectures: Rev. Ian Tait
- **September 28**: Grub Day
- **October 1**: Last day to drop a course
- **October 9**: Homecoming
- **October 13-18**: Fall recess (begins at 1 p.m., Wednesday)
- **October 15**: College for a Day
- **October 18**: Mid-semester marks due
- **October 19**: Classes resume at 8 a.m.
- **November 17**: Day of Prayer
- **November 25**: Thanksgiving Day recess
- **November 26**: Classes resume
- **December 3**: All-school social
- **December 11-17**: Last week of examinations and/or classes

**Second Semester**
- **January 5**: Registration of freshmen and transfer students
- **January 6**: First day of classes
- **January 19**: Last day to add a course or to change courses
- **January 28**: Winter banquet
- **February 10**: Last day to drop a course
- **February 23**: Day of Prayer
- **February 25**: Mid-semester marks due
- **March 10-20**: Spring recess (begins at 1 p.m., Friday)
- **March 21**: Classes resume, 8 a.m.
- **April 6**: Grub Day
- **April 21**: Garden Party
- **April 28**: Last day of classes
- **April 29-May 5**: Final examinations
- **May 6**: Commencement

*Additional concerts and lectures and other cultural and athletic events will be scheduled throughout the year.*
Correspondence concerning college affairs may be directed to the following offices:

GENERAL INFORMATION
Marion D. Barnes, President

ADMISSIONS INFORMATION
APPLICATION FORMS
TRANSCRIPTS
Rudolph F. Schmidt, Director of Admissions

STUDENT AFFAIRS
John P. Cummer, Dean of Students

FINANCIAL AID
Phyllis Y. Crooks, Student Aid Committee

FACULTY
COURSE OFFERINGS
William S. Barker, Dean of the Faculty

STUDENT ACCOUNTS
STUDENT EMPLOYMENT
G. Craig Burdett, Manager of Accounting

PUBLIC RELATIONS
PUBLICATIONS
ALUMNI AFFAIRS
INVESTMENT OPPORTUNITIES
E. Allen Duble
Vice-President for Development

Address all correspondence:
COVENANT COLLEGE
Lookout Mountain
Tennessee 37350

"THAT IN ALL THINGS, CHRIST MIGHT HAVE THE PREEMINENCE."