
COLLEGE OF ARTS AND SCIENCES

Valparaiso University Center for the Arts

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The College of Arts and Sciences, the largest college of the University, consists of twenty-one departments and provides the University with its program of general education for all students as well as advanced work in the liberal arts, the sciences and in several professional areas.

Each degree in the College consists essentially of two parts:

1. The general education component;
2. The major field or interdisciplinary program.

To these two parts, the student adds elective courses chosen from all the offerings of the University, often including a minor or minors.

General Education

An overview of the general education program is presented on page 10. Although this pattern applies to every degree in the College, certain variations are specified in the detailed presentation of degree requirements below.

The Major Field

Each student must complete a major field of study or an interdisciplinary program. Ways of meeting this requirement are presented in detail in connection with the degree requirements listed below. These options are intended to offer maximum flexibility so that students may find the courses of study best fitted for their interests and needs.

Degrees and Degree Requirements

ASSOCIATE OF ARTS DEGREE
(61 CR.)

- A. General Education Requirements 39-40 Cr.
This degree is available only to students enrolled in the College of Adult Scholars.
1. CORE 110 5 Cr.
 2. CORE 115 5 Cr.

- 3. ENGL 200 3 Cr.
- 4. THEO 200 3 Cr.
- 5. Fine or Performing Arts 3 Cr.
- 6. Social Science 3 Cr.
- 7. Philosophy or History 3 Cr.
- 8. Cultural Diversity course 3 Cr.
- 9. Foreign Language (one) 8 Cr.
- 10. Natural Science (with lab)
or Mathematics 3-4 Cr.

As stated on page 105, College of Adult Scholars students who have completed Level II of a foreign language in high school but have not studied that language for at least 6 full years may be allowed to count credit earned for level 101 toward the foreign language requirements. Students opting for a different language from their high school experience begin with course 101 in the new language.

B. Concentrations 21 Cr.
Beyond completing the general education requirements, students elect one of the following concentrations. Coursework used to meet general education requirements for the A.A. degree may not be used to meet concentration requirements.

- 1. **Culture and Humanity**
21 credit hours drawn from at least two of the following subjects: English (ENGL), History (HIST), Philosophy (PHIL), Theology (THEO), or Classical Civilization (CLC).
- 2. **Social and Behavioral Science**
21 credit hours drawn from at least two of the following subjects: Economics (ECON), Political Science (POLS), Psychology (PSY), Sociology (SOC), and approved courses in Geography (GEO 101, 102, 200, 210, 274, 301 and approved 490).
- 3. **Communication and Expressive Arts**
21 credit hours from at least two of the following subjects: Art (ART), Foreign Languages (FL), Communication (COMM), Music (MUS), the Theatre and Television Arts (THTR).

From these concentrations, a student may construct the equivalent of an academic minor or, with additional coursework, an academic major that may be applied toward the requirements for the B.A. degree.

**ASSOCIATE IN SCIENCE DEGREE
(60 CR.)**

- A. General Education Requirements**
- 1. First Year Core (10 Cr.)
CORE 110 5 Cr.
CORE 115 5 Cr.
 - 2. Social Science 3 Cr.
 - 3. PE 100 1 Cr.

B. Major Field Requirements
At least 30 credit hours in Natural Science and Mathematics. Students preparing for admission to one of the allied health fields should develop an appropriate program of study with the Associate Degree Advisor.

- C. Other Requirements**
- 1. The following work must be completed in residence at Valparaiso University:
 - a. 30 of the last 34 credit hours for the degree.
 - b. At least 15 credit hours in Natural Science and Mathematics.
 - c. THEO 200.
 - 2. The student must earn a cumulative grade point average of 2.00 on all work in residence and on courses in Natural Science and Mathematics taken in residence.

An Associate in Science degree with concurrent cytotechnology certification may also be obtained. See page 50.

**BACHELOR OF ARTS DEGREE
(124 CR.)**

- A. General Education Requirements**
- 1. First Year Core 10 Cr.
CORE 110 5 Cr.
CORE 115 5 Cr.
 - 2. Theology 6 Cr.
 - a. THEO 200 3 Cr.
 - b. One upper level Theology course taken in the junior or senior year 3 Cr.
 - 3. Cultural Diversity 11 Cr.
 - a. Foreign Language 8 Cr.
Course number 102 in a foreign language in which the student has no more than one year of high school credit, or course number 103 or 203 in any foreign language. A student who has completed a second year language course in high school will not be granted credit toward

degree requirements for course 101 in that language at Valparaiso University. International students whose native language is not English and who are studying on a nonimmigrant visa are exempt from the foreign language requirement provided that they have successfully completed ENGL 101, English for International Students.

- b. Cultural Diversity course 3 Cr.
 - 1) A three-credit diversity course from a specified list of approved courses. This course cannot be applied simultaneously towards fulfillment of any other general education requirement.
 - 2) A semester abroad in one of the International Study Programs, the Chicago Urban Studies Semester, or either of the Washington Semester Programs.
- 4. Humanities 6 Cr.

Two of the following options:

 - a. Fine and Performing Arts 3 Cr. A designated historical/critical or creative course in Art, English, Foreign Languages, Music, Philosophy, or Theatre.
 - b. A History course 3 Cr.
 - c. A literature course numbered 200 from English, Foreign Languages, or Theatre . . . 3 Cr.
 - d. A Philosophy course (except PHIL 150) 3 Cr.
- 5. Social Sciences 6 Cr.

Two three-credit courses from two different subject areas in the social sciences: Economics, Gender Studies, Geography, Political Science, and Sociology
- 6. Natural Sciences 6-8 Cr.

Two courses, for a total of at least six credits, each of which has a laboratory component, selected from two of the following subject areas: Astronomy, Biology, Chemistry, Physical Geography, Meteorology, Natural Science, Physics, and Psychology.

- 7. Quantitative Analysis . . 3 Cr.

One designated Quantitative Analysis course of at least three credits. This requirement can be fulfilled by approved courses in either the major or minor field, but a course cannot be applied simultaneously towards fulfillment of this requirement and any other general education requirement.
- 8. Health and Wellness . . . 1 Cr.

PE 100 1 Cr.

B. Major Field Requirements

Students may fulfill the major field requirements of the Bachelor of Arts degree by completing either a Department Major or an Individualized Major and by meeting one of the completion requirements listed below; or by completing an Interdisciplinary Program (see page 46).

Departmental Major. In order to fulfill requirements under the Departmental Major, students must complete a minimum academic major. Departments in the College of Arts and Sciences offer the following major fields for the Bachelor of Arts degree: Art, Biology, Chemistry, Classics, Communication, Computer Science, Economics, Economics and Computer Analysis, English, French, Geography, German, History, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Sociology, Spanish, Theatre and Television Arts, and Theology.

Individualized Major. An approved individualized major of thirty credit hours may be presented instead of the departmental majors listed above. This major is intended for students with clearly defined academic or career objectives who feel that their specific needs are not met by the departmental major option nor by the interdisciplinary program option described below. A student in the College of Arts and Sciences may propose a plan for an individualized major, using the form available in the Dean's office. The major must satisfy the following conditions.

- 1. The proposed major must include at least 30 credit hours but not more than 48 credit hours chosen from two or more departments.
- 2. None of the courses chosen may be courses used to meet the General Education Requirements.

3. The proposed major must be supported and supervised by a faculty advisor.
4. A comprehensive statement by the student justifying the major must accompany the Individualized Major form. This form must list the specific courses to be taken and be signed by the student and the faculty supervisor before it is presented to the Dean's office for approval. Any revisions must also be approved by the Dean of the College.
5. The proposed major must be submitted to the Dean of the College of Arts and Sciences for approval, preferably by the beginning of the junior year, but no later than the deadline for filing for degree candidacy.

The selection of courses for the individualized major should reflect serious deliberation on the part of the student and advisor. Normally, the individualized major will not include lower division courses or courses of an introductory nature.

The individualized major may be freely substituted for a departmental major in any of the various combinations available to students in meeting major requirements for the Bachelor of Arts degree. Courses taken for this major may not be counted for credit toward a minor or a second major.

Completion of Major Field Requirement

In addition to completing either a departmental or an individualized major, students must complete one of the following:

1. An academic minor. The faculty recommends that minors be selected that are correlated to the major. No course may be used to fulfill two majors or both a major and a minor requirement except with the permission of the Dean of the College. This restriction refers to courses within the major or minor field, not to additional courses required from outside of the major or minor field.
2. An approved individualized minor of 15 credit hours may be presented in lieu of the departmental minor. At least 9 credit hours must be taken beyond the introductory level. None of the courses chosen may be courses used to meet the General Education Requirements. Forms for individualized minors are available in the Dean's

Office. A student may not graduate with both a minimum individualized major and an individualized minor as the method of fulfilling major area graduation requirements.

3. A second academic major. In addition to the first major areas listed above, Physical Education may also be selected. An approved individualized major may also be presented in fulfillment of requirements of a second major.
4. A complementary major. A major which enhances and expands a first major. This major may **not** be a first major.
5. A first major with at least forty credit hours. However, no more than forty-eight credit hours from one subject area may be applied toward the 124 required for graduation. This limitation does not apply to students pursuing an English major and an English Creative Writing or Professional Writing minor, the Bachelor of Music or Bachelor of Music Education degrees, or the Bachelor of Fine Arts degree.
6. An interdisciplinary minor, see listing below.

Interdisciplinary Programs

The College of Arts and Sciences offers nine Interdisciplinary Programs of study which students may pursue instead of the major options outlined above. These programs are coordinated by special administrative committees composed of faculty members drawn together by their interest in a particular subject not defined by boundaries of the traditional academic disciplines. Interdisciplinary Programs are currently offered in Actuarial Science, American Studies, Chinese and Japanese Studies, Environmental Science, Geoscience, International Economics and Cultural Affairs, International Service, and complementary majors in Modern European Studies, Pre-Seminary Studies, and Youth, Family, and Education Ministry.

A departmental second major, a complementary major, or departmental minor may be added to the Interdisciplinary Programs with approval of the Dean's office.

In addition, minors in Interdisciplinary Programs in American Studies, American Indian Studies, Applied Statistics, Business Administration, Chinese and Japanese

Studies, Environmental Studies, Ethnic Studies, Film Studies, Gender Studies, Geoscience, Human Aging, Liberal Arts Business, Peace and Social Justice, Political Communication, and Urban Studies may be added to departmental majors.

BACHELOR OF MUSIC DEGREE (128-136 CR.)

To be eligible for the Bachelor of Music degree, students must complete the required curriculum for the program area. In addition, they must pass all performance tests set for them by the Department of Music. They must earn 136 credit hours for the Church Music program or 128 credit hours for the Composition or Performance program. They must maintain a grade point average of 2.00.

Two options are offered the student in the church music program: organ and voice. Each student is expected, however, to acquire sufficient skill in organ performance and choral directing to assume a position as a qualified parish musician.

A. General Education Requirements

For details see Bachelor of Arts degree.

1. First Year Core 10 Cr
2. Theology 6 Cr.
 - a. THEO 200
 - b. one upper level Theology course
3. Cultural Diversity 11 Cr.
 - a. Foreign Language 8 Cr.
 - b. Cultural Diversity course . 3 Cr.
4. Humanities 6 Cr.

Two courses, one each from two different areas:

 - a. Fine and Performing Arts 3 Cr.
 - b. History 3 Cr.
 - c. Literature 3 Cr.
 - d. Philosophy 3 Cr.
5. Social Sciences 3 Cr.
6. Natural Sciences 3 Cr.
7. Quantitative Analysis 3 Cr.
8. PE 100 1 Cr.

B. Music Requirements

The requirements for the major fields are given on pages 141-142.

BACHELOR OF MUSIC EDUCATION DEGREE (138-142 CR.)

To be eligible for this degree, students must complete the curriculum described below. In addition, they must pass all performance tests set for them by the Department of Music. They must have a grade point average of

2.50. In addition to meeting the music requirements for the Bachelor of Music Education degree, each student must be formally admitted into the Teacher Education Program and the Professional Semester. See requirements listed in the Department of Education under Secondary Education, page 87.

A. General Education Requirements

For details see Bachelor of Arts degree.

1. First Year Core 10 Cr.
2. Theology 6 Cr.
 - a. THEO 200
 - b. one upper level Theology course
3. Cultural Diversity course 3 Cr.

ED 370 Home, School, and Community Relations
4. Humanities 6 Cr.
 - a. ENGL 200 Literary Studies 3 Cr.
 - b. One of: 3 Cr.

HIST 220 The American Experience to 1877 or
HIST 221 The American Experience in the Modern World
5. Social Sciences 3 Cr.
 - a. One of:

POLS 120 The Government of the United States
POLS 220 State and Local Politics in the United States
6. Natural Sciences 4 Cr.
 - a. BIO 125 or higher with lab
7. Quantitative Analysis 3-4 Cr.
 - a. Math 120 or higher
8. PE 100 1 Cr.

B. Other Required Courses

- PSY 110 General Psychology . . . 3 Cr.
 One of: 3 Cr.
 COMM 145 Interpersonal Communication
 COMM 243 Public Communication

C. Professional Education Requirements

1. ED 203 2 Cr.
2. ED 204 3 Cr.
3. ED 305 2 Cr.
4. ED 370 3 Cr.
5. ED 459 12 Cr.
6. ED 460 3 Cr.
7. ED 485 3 Cr.
8. ED 489 3 Cr.
9. SPED 440 3 Cr.

D. Music Requirements

The requirements of the major field are given on page 142.

**BACHELOR OF SCIENCE DEGREE
(124 CR.)**

A. General Education Requirements

For details see Bachelor of Arts degree.

1. First Year Core 10 Cr.
2. Theology 6 Cr.
 - a. THEO 200
 - b. One upper level Theology course 3 Cr.
3. Cultural Diversity 3-4 Cr.
One course from either group:
 - a. Foreign Language 203 or higher 4 Cr.
 - b. Cultural Diversity course 3 Cr.
4. Humanities 6 Cr.
Two courses, one each from two different areas:
 - a. Fine and Performing Arts 3 Cr.
 - b. History 3 Cr.
 - c. Literature 3 Cr.
 - d. Philosophy 3 Cr.
5. Social Sciences 6 Cr.
6. Natural Sciences 6-8 Cr.
7. Quantitative Analysis 4 Cr.
MATH 124, 131, or 151
8. PE 100 1 Cr.

B. Major Field Requirements

A student must complete one science major of at least 32 credit hours (biology, chemistry, computer science, geology, geoscience, mathematics, meteorology, physics, psychology) and:

1. A science minor, or
2. A non-science major, or
3. The Liberal Arts Business Minor (page 238), or
4. The Business Administration Minor (page 234), or
5. A Secondary Education Major (page 87), or
6. An Applied Statistics Minor (page 234); or
7. An Engineering Minor (page 212)

OR two minimum science majors (biology, chemistry, computer science, geology, mathematics, meteorology, physics, psychology);

OR complete at least 40 credit hours in the first major.

No more than 48 credit hours from a single subject area may be applied toward the 124 credit hours required for graduation.

The geology major is offered as a special program in the Department of Geography and Meteorology.

The departmental major or the individualized major may be chosen provided that the major is at least 32 credit hours but not more than 48 credit hours; that courses for an individualized major are chosen from the sciences listed in item B above, and that other restrictions on majors are followed.

**BACHELOR OF SCIENCE IN
EDUCATION DEGREE (124 CR.)**

Completion of a special curriculum with a major in either elementary education or middle level education leads to the degree of Bachelor of Science in Education. This degree is intended for students who plan to become teachers in elementary schools, middle schools, or junior high schools.

A. General Education Requirements

For details see Bachelor of Arts degree.

1. First Year Core 10 Cr.
2. Theology 6 Cr.
 - a. THEO 200 3 Cr.
 - b. One upper level Theology course 3 Cr.
3. Cultural Diversity course 3 Cr.
 - a. ED 370 Home, School, and Community Relations
4. Humanities
 - a. ENGL 200 Literary Studies 3 Cr.
 - b. One of: 3 Cr.
HIST 220 The American Experience to 1877 or
HIST 221 The American Experience in the Modern World
5. Social Sciences 3 Cr.
6. Natural Sciences 7-8 Cr.
 - a. BIO 125, 151, or 171 4 Cr.
 - b. One of the following: 3-4 Cr.
CHEM 111, 115, 121, 131,
GEO 104, MET 103, ASTR 101/
101L, PHYS 111/111L, 141/141L,
PSY 110/1110, NS 101, 102
7. Quantitative Analysis 3 Cr.
MATH 213 Mathematics for Elementary Teachers I
8. PE 100 1 Cr.

B. Education Requirements

The requirements for the elementary and middle level education majors are listed on pages 84-87.

BACHELOR OF SCIENCE IN FINE ARTS DEGREE (124 CR.)

A. General Education Requirements

For details see Bachelor of Arts degree.

1. First Year Core 10 Cr.
2. Theology 6 Cr.
 - a. THEO 200 3 Cr.
 - b. One upper level Theology course 3 Cr.
3. Cultural Diversity 11 Cr.
 - a. Foreign Language 8 Cr.
 - b. Cultural Diversity Course. 3 Cr.
4. Humanities 6 Cr.

Two courses, one each from two different areas:

 - a. Fine and Performing Arts 3 Cr.
 - b. History 3 Cr.
 - c. Literature. 3 Cr.
 - d. Philosophy 3 Cr.
5. Social Sciences 6 Cr.
6. Natural Sciences 8 Cr.
7. Quantitative Analysis 3 Cr.
8. PE 100 1 Cr.

B. Major Field Requirements

1. The student must complete a major in art consisting of at least 54 credit hours, including ART 101, 102, 121, 122, 132, 162, 221, 231, 251, one from (311, 317, 318, 319, 320, or 321) and 493. A concentration must be chosen in painting, sculpture, ceramics, photography, graphic design or art history.
2. The student must receive approval by the Department of Art of a portfolio presentation by the beginning of the junior year to be eligible for this degree.

C. Other Requirements

The student must earn at least 62 credit hours in non-art courses, which may be comprised of the General Education Requirements and electives.

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION DEGREE (124 CR.)

A. General Education Requirements

For details see Bachelor of Arts degree.

1. First Year Core 10 Cr.
2. Theology 6 Cr.
 - a. THEO 200 3 Cr.
 - b. One upper level Theology course 3 Cr.

3. Cultural Diversity 3-4 Cr.

One of:

 - a. Foreign Language 203 or higher 4 Cr.
 - b. Cultural Diversity Course. 3 Cr.
4. Humanities 3 Cr.

One of:

 - a. Fine and Performing Arts 3 Cr.
 - b. A History course 3 Cr.
 - b. A literature course 3 Cr.
 - c. A Philosophy course 3 Cr.
5. Social Sciences 6 Cr.
6. Natural Sciences 6-8 Cr.

Teacher Education and Exercise Science majors must complete BIO 151 and CHEM 111.
7. Quantitative Analysis 3 Cr.

A calculus course or MATH 124
8. PE 100 1 Cr.

B. Major Field Requirements

The first major, if the student has a double major, must be physical education. See page 150 for specific major requirements.

BACHELOR OF SOCIAL WORK DEGREE (124 CR.)

A. General Education Requirements

For details see Bachelor of Arts degree.

1. First Year Core 10 Cr.
2. Theology 6 Cr.
 - a. THEO 200 3 Cr.
 - b. An upper level Theology course 3 Cr.
3. Cultural Diversity 11 Cr.
 - a. Foreign Language 8 Cr.
 - b. Cultural Diversity Course. 3 Cr.
4. Humanities 6 Cr.

Two courses, one each from two different areas:

 - a. Fine and Performing Arts 3 Cr.
 - b. History 3 Cr.
 - c. Literature. 3 Cr.
 - d. Philosophy 3 Cr.
5. Social Sciences 6 Cr.
6. Natural Sciences 6-8 Cr.
7. Quantitative Analysis 3-4 Cr.
8. PE 100 1 Cr.

B. Major Field Requirements

The first major, if the student has a double major, must be social work. See page 171 for specific major requirements.

Special Academic Regulations for the College of Arts and Sciences

REGULATIONS CONCERNING GENERAL EDUCATION REQUIREMENTS

1. No course may not be used to meet more than one General Education Requirement.
2. Only courses of at least three credits may be used in meeting General Education Requirements, excluding the requirement in Physical Education.
3. Courses taken to fulfill major requirements (departmental majors or interdisciplinary majors) may be presented in fulfillment of General Education Requirements where applicable.

RESTRICTIONS ON THE USE OF CREDIT HOURS FOR DEGREES IN THE COLLEGE OF ARTS AND SCIENCES

1. A student may apply no more than four credit hours in Physical Education 100-149 toward a degree in the College of Arts and Sciences.
2. At most, four credit hours from the Computer Science courses numbered 128 and 290 may be applied toward a degree.
3. Non-music majors are limited to 16 credit hours of applied music, of which no more than 4 credit hours may be in ensemble music. For further clarification see page 146.
4. No more than 48 credit hours in any one subject may be applied toward the total of 124 credit hours required for graduation, each subject being identified by the 2-4 letter code preceding each course number in the catalog (e.g., COMM, MUS, PE, THTR). This limitation does not apply to students pursuing:
 - a. a major in English and a minor in Creative Writing or Professional Writing,
 - b. the Bachelor of Music degree,
 - c. the Bachelor of Music Education degree, or
 - d. the Bachelor of Science in Fine Arts degree.

5. A student may apply no more than 15 hours collectively from the professional colleges of the University toward a degree in the College of Arts and Sciences, subject to the following exceptions:
 - a. Students completing the Liberal Arts Business Minor may apply 18 credit hours in business administration courses only if Accounting 206 is selected to complete the requirement.
 - b. Students completing the Business Administration Minor may apply 21 credit hours in business administration.
 - c. Students completing the Actuarial Science Major may apply 19 credit hours in business administration, and may apply 20 credit hours in business administration only if IDS 110 is selected to complete the requirement.
 - d. Students completing an Engineering Minor may apply 18 credit hours in engineering.

Note: A student who transfers from one of the professional colleges into the College of Arts and Sciences may apply credits within the restrictions listed above. For further clarification, consult the Dean of the College.

Professional and Pre-Professional Areas

The College of Arts and Sciences offers degrees especially designed for teaching in elementary schools, teaching of music, performance of music, creation of art works, work in physical education and social work. The appropriate degrees are described earlier, pages 43-50. In addition, students can prepare for teaching in secondary schools under a variety of majors for Bachelor of Arts and Bachelor of Science degrees. The Deaconess Program, the prelegal program and the premedical arts programs are professional preparatory programs a student may complete while pursuing a liberal arts major.

Students interested in any of these programs should declare the program before entering the sophomore year.

Those pursuing an Associate in Science degree may elect the cytotechnology certification option. This program requires

the student to complete a one year program in an accredited school of cytotechnology and a one year prescribed course of study at Valparaiso University. The credits from the cytotechnology program (usually 30) will transfer to Valparaiso University to meet about half of the requirements for the A.S. degree. See page 44 for the degree requirements for the Associate in Science degree. Students should contact a premedical arts advisor for specific science courses that must be completed.

TEACHER EDUCATION PROGRAMS

The Teacher Education Program is under the direction of the Department of Education. Eligibility for admission to the program is determined by the department.

The University currently prepares applicants for licensure in the following licensure categories listed under types of school and developmental settings.

License: Elementary Teaching

Elementary Grades 1-9 Generalist: Early/
Middle Childhood - Intermediate

Additional content areas in:

- Special Education - Mild Intervention (Learning Disabilities, Mildly Mentally Handicapped, and Emotional Disorders)
- Any subject content area listed under High School Teaching

License: Middle School Teaching

Middle School/Junior High Grades 6-8)

Generalist: Early Adolescence

Students specialize in two of the following content areas:

- Language Arts
- Social Studies
- Mathematics
- Science

Additional content areas are available in:

- Special Education - Mild Intervention (Learning Disabilities, Mildly Mentally Handicapped, and Emotional/Behavioral Disorders)
- Any subject content area listed under High School Teaching
- Coaching

License: High School Teaching

High School Grades 9-12 Content Area

Licenses (Adolescence and Young Adult

Language Arts/English

Foreign Language - French, German, Latin, or Spanish

Health Education

Physical Education

Mathematics

Fine Arts

Music (instrumental and vocal)

Visual Arts

Science (one or more)

Life Science

Chemistry

Physics

Earth/Space Science

Physical Science

Social Studies (three or more)

Economics

Geographical Perspectives

Historical Perspectives

Government and Citizenship

Sociology

Psychology

Special Education: Mild Intervention (Learning Disabilities, Mildly Mentally Handicapped, and Emotional Disorders)

Additional certification areas are available in:

- Any of the above content areas
- Coaching

PREPARATION FOR THE MEDICAL ARTS

Students can prepare for entrance into medical, dental, veterinary, medical technology, physical therapy, or paramedical schools by entering one of the premedical arts programs of the College. Students in these programs must have their schedules approved at the beginning of each semester by a major advisor and an assigned premedical arts academic advisor. Advising in the premedical arts is handled by premedical advisors, who are members of the Committee on Pre-Medical Arts. All recommendations to the professional schools are sent out by this Committee: Associate Professors Hicks (Biology), Goyne (Chemistry), Nelson (Psychology), and Scupham (Biology); Assistant Professors Erhardt (Chemistry), Scaglione-Sewell (Biology), and Schoer (Chemistry).

Premedical and pre-dental students are invited to join the Pre-Medical Society, a student organization that promotes interest in medicine and dentistry through a program of guest lectures and social events. Those with outstanding academic records may be invited to join Alpha Epsilon Delta, a national medical honorary society.

In some fields such as medicine, dentistry and veterinary medicine, completion of a Bachelor of Arts or Bachelor of Science

degree is often required before admission to a professional school. However, if three years or less of college work are needed for entrance into a professional program, a student may earn a bachelor's degree through the University's Combined Liberal Arts-Medical Arts program. This involves three years of work at Valparaiso University and one year of work at an approved professional school. Details are in the next section of this catalog. This program is often used by students in medical technology.

Students who want to enter allied health fields that require two years or less of college preparation may want to earn the Associate in Science Degree described on page 44. Further information about allied health fields may be obtained from the office of the Allied Health Advisor.

The course, GS 394, Health Care Professional Apprenticeship (see page 57), is offered in the Summer I Session (see page 246) and is of interest to students in premedical arts. Details are given in a Summer Session announcement each year.

COMBINED LIBERAL ARTS-MEDICAL ARTS PROGRAM

Students may complete the degree Bachelor of Arts or Bachelor of Science from Valparaiso University by completing three years of study at this University and completing an additional year's work at an approved school of medicine, dentistry, veterinary medicine, medical technology or other allied health disciplines. Prior approval of the program must be secured from the Committee on Pre-Medical Arts.

Specifically, students who elect one of these programs must meet the following requirements:

1. They must spend the junior year in residence at Valparaiso University.
2. They must meet all General Education Requirements for the Bachelor of Arts or Bachelor of Science degree with the exception that one course in theology is waived.
3. They must complete an academic major. For the Bachelor of Science degree this major must be in one of the science fields.
4. They must complete at least 93 semester credit hours of college work.
5. They must apply for graduation by the deadline date as noted at the front of

this catalog and present to the Office of the Registrar an official transcript of an additional year's satisfactory work at an approved professional school.

PREPARATION FOR THE STUDY OF LAW

According to the consensus of legal educators, a specified major is not a prerequisite to the study of law. Significant qualities of undergraduate preparation derive from the intellectual discipline required by exacting teachers rather than the subject matter of what is taught. Prelaw students should select an academic major and consult with their academic advisor and a prelaw advisor to select courses in the student's areas of interest that will place demands on analytic skills and both verbal and written expression.

Students in this program may express common interests through the Pre-Law Society.

COMBINED LIBERAL ARTS-LAW PROGRAM

Students may complete their bachelor's degree from Valparaiso University by completing three years of study at this University and completing an additional year's work at the Valparaiso University School of Law. Thereby students may obtain in six years (twelve semesters) both the Bachelor's degree and the Juris Doctor degree. Prior approval of the program must be secured from the Office of the Dean of the College of Arts and Sciences.

Students who elect this program must meet the following requirements before beginning the School of Law:

1. They must satisfactorily complete all General Education Requirements for the Bachelor's degree and an academic major.
2. They must satisfactorily complete at least 94 undergraduate credit hours.
3. At least one half of the credit hours for the major must be taken at Valparaiso University.
4. At least 75 credit hours, including the last 30 credit hours, must be taken at Valparaiso University.
5. They must have a grade point average of 3.0 in all undergraduate work at Valparaiso University.

6. They must be admitted to the Valparaiso University School of Law through the normal admissions process.
7. They must complete a minimum of 30 credits in the Valparaiso University School of Law with a grade point average of at least 2.0.
8. They must apply for the Bachelor's degree graduation by the deadline date as noted at the front of this catalog.

PREPARATION FOR SEMINARY

Students may prepare themselves for seminary entrance by enrolling in the pre-seminary program of Valparaiso University. This program meets all the standards of the Association of Theological Schools for undergraduate education. Students preparing for seminary should, with their first major, take the complementary major in Pre-Seminary Studies (page 164). Upon graduation from this program, students are usually accepted into the seminaries not only of the Lutheran Church Missouri Synod and the Evangelical Lutheran Church in America, but also of other Protestant bodies, and in graduate divinity schools throughout the United States.

A student who is interested in preparing for seminary entrance is helped by an advisor to select appropriate undergraduate courses. These include studies in the arts and humanities, in theology, in the biblical languages and in areas of the student's own special interest.

Further information on this program is available from the Chair of the Department of Theology.

ARTS AND SCIENCES PRE-ENGINEERING PROGRAM

Applicants for admission to the College of Engineering may require additional work, usually in mathematics or sciences, before admission is granted. Such students may be admitted to the College of Arts and Sciences for this preparation. Students should consult the Dean of the College of Engineering for details.

ARTS AND SCIENCES PRE-NURSING PROGRAM

In some cases students applying for admission to the College of Nursing may require additional preparatory work, usually in the biological and social sciences, before admission is granted. A limited number of

such students, as well as late applicants, are admitted to the College of Arts and Sciences. These students are helped by the College of Nursing to develop a course of study that will prepare them for admission to the College of Nursing. Students who successfully complete this course of study, including all the liberal arts pre-nursing requirements given on page 229, with a standing of 2.00 or better may then apply to the Dean of the College of Nursing for admission to that College.

DEACONESS EDUCATION AND FORMATION PROCESS

The University and the Lutheran Deaconess Association (LDA) cooperate in the education and formation of women for service in deaconess ministry. In response to a changing world, the LDA offers a process that allows students to express their Christian vocation through church, civic, or human service professions. Plans may be individualized, combining deaconess students with many academic majors, to earn a graduate or undergraduate degree.

The education and formation process is under the counsel and guidance of the staff of the Lutheran Deaconess Association. Inquiries should be directed to the Director of Education and Formation, Center for Diaconal Ministry, 1304 LaPorte Avenue, Valparaiso, Indiana 46383-9978. Phone 210-464-6925. E-mail: deacserv@valpo.edu. Application forms and fee schedule are outlined on the website: <www.valpo.edu/lda>. Students may apply during their sophomore year, but must be at least 20 years old or have junior standing. Week-long orientation and annual seminars are required during each year of the process.

Deaconess students work with the LDA staff and academic advisors to determine a program of academic study, planned experiences, and reflection in these areas:

1. **Spirituality.**
Focus on personal and spiritual growth, which may include spiritual direction, discernment retreats, counseling, journal reflection, prayer, and worship.
2. **Theology.**
Academic courses cover these topics. Exceptions can be made with agreement of LDA and academic advisor.
 - a. Biblical studies, both Old and New Testament, or overview of the Bible;
 - b. Church History, from the apostolic era through Reformation to present;

- c. Lutheran/Christian theology;
- d. World Religions or in-depth study of a non-Christian tradition;
- e. Theology of Diaconal Ministry (THEO 451/551);
- f. Basic Homily Preparation, proclamation of the gospel;
- g. Practicum in Ministry (THEO 480/680). May be taken twice, to fulfill work/ministry requirement; see below;
- h. Clinical Education for Ministry (THEO 453/553). May be taken to fulfill work/ministry requirement; see below.

Other courses may be suggested, depending on the student's ministry focus, such as Understanding of self, others, and group dynamics; Christian worship; Religious education; Understanding issues of human need and social justice.

3. **Work/Ministry.**

Field work at a practical ministry site; 100 hours over two semesters. May be taken for credit at Valparaiso University (THEO 480/680, two credits per semester), or may be completed without academic credit.

Clinical Pastoral Education. May be taken for credit at Valparaiso University (THEO 453/553, Clinical Education for Ministry), or may be completed through a certified CPE program off-campus.

Internship in a ministry or human services profession, one year, full-time paid position. May be done between the junior and senior year or after graduation.

4. **Diaconal Community.**

Participation in the deaconess community, including campus activities, area deaconess groups, and annual conferences.

Relationship with a deaconess mentor.

Deaconess ministries have been combined with, but are not limited to, these academic majors: Theology; Nursing; Church Music, liturgy, worship; Education; Psychology; Social Work; pre-medical, medical fields, occupational therapy/physical therapy; languages and classical languages; International Service; Law; Youth, Family, and Education Ministry; Business; Master of Arts in Liberal Studies programs.

COMBINED LIBERAL ARTS-ENGINEERING PROGRAM

Students may earn in five years (ten semesters) both the Bachelor of Arts degree and one of the Bachelor of Science in Engineering degrees. They may earn the two degrees by completing one of the engineering curricula and the General Education Requirements of the Bachelor of Arts degree as well as the major requirement of the College of Arts and Sciences. This requires them to earn 162 credit hours and to have a standing of at least 2.00 in all of their work. Students who elect such a program must have their schedules approved by both the Dean of the College of Arts and Sciences and the Dean of the College of Engineering at the beginning of each semester. Sample or representative curricula for such programs may be obtained upon application to the Dean of the College of Engineering.

Departmental Honors Work

Honors work is designated for students of exceptional ability who may benefit by earning a limited number of the credits required for graduation through supervised independent study rather than through regular course work. Students who apply for Honors Work should understand that their work will be evaluated according to the highest standards of scholarly achievement.

Honors Work may be pursued by any student who is a degree candidate in the College of Arts and Sciences and whose major or program is administered by a department or an administrative committee within the College.

A student who has completed at least 80 credit hours, but has not yet entered upon the work of the last two semesters, and who has a cumulative grade point average of at least 3.00 and a grade point average in the major of at least 3.50 may apply through the major department or program committee for admission to Honors Work. To apply, the student must submit a plan for a major independent project that will be undertaken under the supervision of a member of the major department or program. The application form, which requires the student to articulate the independent project briefly, clearly, and with a timetable and modest bibliography, is available in the dean's office. (For more information, please attend the

Beyond Valpo program held annually during the spring semester.) This plan must be presented to the chair of the student's department or program for approval and forwarded to the dean's office no later than 12:00 P.M. on the third Monday of April of the student's second semester, junior year. The dean will then forward the application to the Scholarship and Advising Committee for final approval. If the proposed independent study project is approved, the student shall be enrolled by the Dean's Office in the first semester of the senior year in course numbered 497 "Honors Work in (the major department or program)."

A student who has been admitted to Honors Work must present four copies of a completed draft of the project to the chair of the major department (or program) at least ten class days before the beginning of the final examination period of the student's first semester of the senior year. With prior approval, the student may substitute for the completed draft a status report demonstrating substantial progress (in certain areas, such as in the experimental sciences). In the case of a status report, the student should describe the work accomplished during the semester and the plans for continued work during the following semester. The project is then judged at midyear by a project committee consisting of the chair of the major department or program, the project advisor, one additional department reader, and one outside reader who is a member of the Scholarship and Advising Committee. If, based on the status report or draft, the project committee affirms the likelihood that the student will be able to conclude an exceptional piece of scholarship appropriate to the student's discipline by the end of the following semester, that student will be admitted to Candidacy for Honors. If the project has not progressed as had been expected (the student must earn an A or A- for the first semester), the student will be denied admission to Candidacy for Honors. The student should consult with the project advisor for departmental/program evaluation policy.

If admitted to Candidacy for Honors, the student shall be registered by the Dean's Office during the second semester of the

senior year in course numbered 498, "Honors Candidacy in (major department or program)" A student must complete the independent study project begun in the previous semester, incorporating additions or revisions suggested by the project committee to its satisfaction. Four copies of the completed project report must be delivered to the chair of the major department or program at least fifteen class days before the beginning of the final examination period of the student's final semester. The original project committee shall then schedule an oral examination for the Honors candidate to assess the student's knowledge of matter covered in the independent study project and any other closely related matters deemed appropriate by the project committee. The Honors Candidate shall be notified beforehand of the related matters to be included in the examination. If, in the opinion of the project committee, the candidate is worthy of Honors, it shall recommend to the dean that the student be awarded three credit hours with a grade of A or A- for course numbered 498 and be graduated "With Honors in (the major field)." If the candidate is not deemed worthy of Honors, the office of the dean, upon consultation with the project committee, may recommend that the student be granted three credit hours for Independent Study in the major department or program, with a grade determined by the project committee. Two copies of the final project report will be given to the Dean's Office for archival purposes.

During the semester or semesters of engagement in Honors Work, a student is not allowed to carry more than 12 credit hours in addition to Honors Work.

A student whose major requires completion of a senior project may register for Honors Work in lieu of the departmental senior project course, after securing permission from the department chair. The same procedures as outlined above must be followed.

Cooperative Education

Cooperative Education in the College of Arts and Sciences is a program in which students combine professional, paid work experience with academic programs. Students may be employed in full-time (called alternating) or part-time (called parallel) placements. Normally, a semester of full-time employment will earn a maximum of 3 credit hours; a full-time summer employment, a maximum of 2 credit hours; and a part-time (parallel) placement requiring a minimum of fifteen hours per week, 1 credit hour. Parallel placements of fewer than fifteen hours per week may be given 0.5 credit hours. Students will normally complete a minimum of two alternating or four parallel work assignments. The program is available through various departments as well as through the general offerings of the College. The College's general program is intended both for undeclared majors who are able to use cooperative education on an exploratory basis and for declared majors who may wish to participate outside their major department on an elective basis.

The following policies govern Cooperative Education within the College:

1. The student works under the advisement of a faculty member who monitors the work experience, evaluates the required written reports by students, and assigns the course grade.
2. A student is eligible upon completion of two semesters of enrollment in residence with a minimum cumulative grade point average of 2.50. Co-op is open to students upon completion of the freshman year.
3. Placements require prior approval of the Coordinator of Cooperative Education--retroactive credit will not be granted.
4. Course credits count as electives toward graduation or, in certain academic departments where specified, count toward the department's major or minor.

5. No more than a combined total of 12 credit hours earned through cooperative education, internship, field experience, or other work experiences may be applied toward the meeting of minimum graduation requirements. Exceptions may occur in certain departments due to professional certification requirements.

Additional restrictions may apply in departments where the cooperative education credits count toward major or minor requirements.

General Courses Offered by the College of Arts and Sciences

CORE 110, 115. The Human Experience.

Cr. 10. A writing-intensive interdisciplinary course that initiates first year students into the VU academic community by exploring significant themes in human experience, engaging students with resources from the areas of history, theology, philosophy, literature and the arts. It is a core experience extending for two semesters, 5 credits each semester, in seminar sections of about 20 students. It is taught by a trained core faculty from areas across the University, the faculty meeting regularly to promote extensive collaborative activity for both faculty and students.

CPED 381. Cooperative Education I.

Cr. 0.5-3. This course is a prearranged, approved professional work experience with a cooperating employer. A written report is required of each student. The prerequisites are one year in residence, a minimum cumulative grade point average of 2.50, and the approval of the Coordinator of Cooperative Education.

CPED 382-383. Cooperative Education II-III.

Cr. 0.5-3. The prerequisites for additional cooperative education experiences are the same as for Cooperative Education 381, plus positive work performance evaluations by the previous cooperative employer(s). This course may be repeated beyond 383 for additional credit, subject to the guidelines of the College, as stated on page 56.

GS 100. VU Strategies.

Cr. 0. A course to assist first-year students in developing skills necessary for college success, including study skills, learning styles, time management and test-taking strategies. Administrative Assistant Luci Hicks' signature required.

GS 150. Exploratory Studies and Vocational Discernment.

Cr. 2. A course designed to help students understand the concept of vocation. Students will also learn to put to use certain practices of vocational discernment that might help them find their majors and shape their lives. Readings will be drawn from both secular and sacred texts, from the Judeo-Christian as well as other religious traditions. Includes a mandatory weekend retreat. Will meet for seven weeks, beginning with week four.

GS 180. Civic Engagement.

Cr. 1-2. This course recognizes student volunteer service work for the community. Students earn the credit by completing a specific project, which may be initiated as part of a particular course, through a recognized University service organization, or independently. If students undertake the project through a service organization or independently, a professor must certify the project as appropriate, supervise its completion, and assign the grade. Students must file a proposal with the supervising professor and register for the credit. The proposal must present a detailed overview of the work of the project, which must entail a substantial time commitment (a minimum of 20 hours or work is required for each credit), and identify a reflection component specifically related to the project. Students may not earn additional GS credit for work already required by the service-learning component of a course. Internship students may earn GS credit through an additional project, with the consent of the instructor. S/U grade. This course may be repeated for up to 3 total credits.

GS 394. Health Care Professional Apprenticeship.

Cr. 1. The course is designed to provide an opportunity for students to observe health care professionals at work in a hospital or clinic setting. The student is required to spend at least 120 hours shadowing one or more health care professionals. Students must submit a daily journal and paper detailing their experiences to their academic advisor. S/U grade. Prerequisites: Proof of instruction in safeguarding the privacy of Protected Health Information (PHI) as specified in the Health Insurance Portability and Accountability Act (HIPAA); one year in residence; a minimum cumulative grade point average of 3.2; and approval of the academic advisor.

GS 200. Study Circle on Race Relations.

Cr. 1. This course will offer 8-15 students the opportunity to engage in a series of participatory, democratic discussions about race relations on campus and in society. The instructor(s) for the course will serve as facilitator(s), establishing ground rules for a safe, focused discussion in which participants can exchange ideas freely and consider a variety of views. By uncovering

shared concerns and coming up with practical strategies to improve race relations participants may find they can work collaboratively to improve the campus and community. Readings will be drawn from *Facing the Challenge of Racism and Race Relations*, a guide produced by the Study Circles Resource Center.

GS 390. Topics in English Life and Culture.

Cr. 3. A study of selected aspects of English life and culture. Topics might include, but are not restricted to politics, education, religion, business, environment, and multi-cultural issues. Cambridge Center only.

GS 390. Topics in German Life and Culture.

Cr. 3. A study of selected aspects of German life and culture. Topics might include, but are not restricted to politics, education, religion, business, environment, and multi-cultural issues. Reutlingen Center only.

GS 395. Independent Study Project.

Cr. 1-4. An independent project is conducted on a topic selected by a group or individual. Grading is limited to the use of S or U. Prerequisites: Approval of a faculty sponsor and the Dean of the College of Arts and Sciences. This course is administered by the Dean of the College for students who desire to work on a specialized academic project. A proposal for an independent study project must be submitted at least three weeks before the beginning of the registration period for the semester in which the project is to occur. Further details and an application form may be obtained at the Office of the Dean of the College of Arts and Sciences.

NS 101. Introduction to Forensic Science.

2+2, Cr. 3. Forensic science is the application of scientific principles to criminal and civil laws within a criminal justice system with the goal toward establishment of guilt or innocence. This course is designed to introduce some of the specialized fields of forensic science, to learn the fundamental principles of science and technology upon which they are based, and to apply them to a number of suspicious situations and criminal cases. This course is intended for non-science majors for partial fulfillment of the General Education Requirements in Natural Science. Not open to students who have received credit for CHEM 111, 115, 121, or 131 or BIO 151, 152, 1781, or 172 without the consent of the instructor. Prerequisite: MATH 110 or placement higher than MATH 110 on the math placement examination.

NS 102. Science of the Indiana Dunes.

2+3, Cr. 3. This course poses questions about how earth systems work together to produce the physical landscape of the dunes and also asks scientific questions about the human transformation of that landscape. The course is problem oriented and explores questions about the interaction among ecology/biogeography,

atmosphere, water, and geology. It also examines the local environment in both regional and global contexts, considering questions about how change shapes the environment, both in the past and into the future. Throughout students learn scientific concepts and methods and gain basic scientific literacy in order to understand the landscape. This course is intended for non-science majors for partial fulfillment of the General Education Requirements in Natural Science. Prerequisite: MATH 110 or placement higher than MATH 110 on the math placement examination.

Urban Semester. The following courses are offered in a residential program in Chicago in cooperation with the Associated Colleges of the Midwest:

GS 338. The Core Course: Public Policy in an Urban Center. Cr. 4.

GS 348. The Seminar. Cr. 4.

GS 386. The Internship. Cr. 4.

GS 395. Independent study Project. Cr. 4.

All sophomores, juniors and seniors at the University are eligible to participate in this program. Students shall be admitted to this program on the recommendation of the Urban Studies Advisory Committee.

Valparaiso University students register at Valparaiso for the Chicago Urban Semester and pay to Valparaiso University the general fee charged of all full-time students. Expenses for travel, meals and lodging are paid directly by the students. Full credit toward graduation is given for all courses taken in the Urban Studies program. The program is offered in both the fall and the spring semesters.

See page 241 for course descriptions and the Urban Studies Minor requirements.