



The Academic Program

Successful completion of the Doane Plan, an academic major, the general requirements, and the additional degree requirements qualifies students to receive a baccalaureate degree from Doane College. The bachelor of arts degree (BA) is the central degree at Doane College, but a student may opt for the bachelor of science (BS) degree if the following criteria are met:

1) a major in biochemistry, biology, chemistry, computer science, environmental science, information systems, mathematics, natural science, physical science, or physics; or 2) a total of four courses (a minimum of 12 credits) chosen from astronomy, biology, chemistry, geology, information science and technology (not including any course below IST-140), mathematics, physical science, or physics, in addition to the three courses required in the Natural Science and Mathematical Reasoning categories of the Doane Plan.

The Doane Plan

The college learning experience at Doane imparts an established body of knowledge in selected areas of study and teaches various processes of acquiring knowledge and ways of thinking and doing. This dual emphasis is important because content without process can become an amassing of facts without meaning, just as process without content can turn into an aimless pursuit of trivia.

The development of attitudes and values is an inevitable outcome of learning. Perhaps the most important development is in how the student perceives, understands, and values learning. Doane affirms that the continuing quest for knowledge is a liberating force in human existence. The college encourages students to develop their capacities for ongoing personal growth and adaptability through individual and group learning that is broadly based in the liberal arts and involves students directly in the applications of theory to practice. The Doane experience is meant to cultivate a genuine regard for education and a commitment to learning.

Through the completion of the Doane Plan, students demonstrate:

1. An understanding of the origins, development, values, and distinctive qualities of our collective heritage
2. An understanding of the nature and effects of economic, political, psychological, and social forces
3. An understanding of the values, traditions, behaviors, and philosophical foundations of diverse national and international cultures
4. An understanding of the basic phenomena of the natural world, methodologies governing the sciences, and the relationship of both to the world community
5. An understanding of the fundamental processes of mathematics and the ability to use mathematical modeling in solving practical problems
6. The ability to read, write, speak, listen, and interpret meanings effectively
7. The ability to understand, appreciate, and engage in creative expression
8. An understanding of health and lifetime fitness
9. An understanding of constructive leadership and ethical decision making
10. The ability to appreciate and explore new areas of learning.

Doane Plan Categories of Study

HERITAGE STUDIES 9 credits

All civilizations have been formed by their own values and traditions. Having grown up in Western cultures, or under their influence, we have had our thought shaped in good part, though not exclusively, by Western values and traditions. To understand ourselves and our world and to act effectively to make our lives better, we need to understand our Western and non-Western heritage in terms of its origins, development, values, and distinctive qualities.

Each student must successfully complete at least one course from each of the following areas:

1. History 105, 106, 205, 206
2. English 205, 206, 237
3. Philosophy-Religion 110, 111, 120, 121, 231

CONTEMPORARY ISSUES 9 credits

Interactions among social, political, economic, and psychological forces exert a powerful influence on our lives. In order to be responsible and effective citizens, we need to understand the nature of these forces and how they affect us.

Each student must successfully complete two courses from different areas in Group 1 and one course from Group 2.

Group 1

Political Science 101, 105
Economics 203
Education 211

Group 2

Psychology 117
Sociology 109

CULTURAL PERSPECTIVES 3 credits

Awareness of the world's diverse peoples and traditions is a necessity for intelligent participation in everyday life. The aim of Cultural Perspectives is to provide students with the opportunity to study and gain knowledge and awareness of diverse values, art forms, social behaviors, and philosophical foundations in international and national arenas.

Each student must successfully complete one course during the junior or senior year, chosen from one of the following groups:

1. One semester of a foreign language, or the equivalent of one semester's study abroad. (This requirement may be completed before the junior year.)
2. Anthropology/Sociology 308; Business 346, 357; Speech Communication 321; Economics 347; English 329; Geography 301; History 321; History/International Studies 314, 317, 318, 349; History/Political Science 340, 342; International Studies 310, 311; Philosophy 305, Political Science 215; Religious Studies 328; Sociology 324.
3. In case of scheduling conflicts which prevent enrollment in any of the courses listed above, students with permission from the Vice President for Academic Affairs may meet this requirement by successfully completing a college-sponsored international study tour.

NOTE: International students studying full-time at Doane College are considered to have met this requirement at matriculation.

NATURAL SCIENCE 7 credits

Science has an increasing impact on our lives. We make important personal and public decisions in which knowledge of science-related principles is critical. It is vital to individual and community well-being that we possess an understanding of the principles and methodologies governing the sciences and their relationship to important issues.

Each student must successfully complete two of the courses from those listed, one of which must be a laboratory science course.

Laboratory Science Courses

Biology 101, 120, 121, 226, 260
Chemistry 101, 125, 126
Geology 101, 103
Physical Science 105
Physics 107, 108, 201, 202

Science Course (lab optional)

Astronomy 103 (lab optional)
Geology 107 (lab optional)

MATHEMATICAL REASONING 3-5 credits

Mathematical reasoning involves logical thinking, discovering relationships, making connections to other disciplines, and using higher order thinking skills to develop solutions within a framework of mathematical structures.

Students must successfully complete one of the following courses:

Mathematics 107, 108, 115, 125, 235

COMMUNICATION 6 credits

Language is a basic means of gaining knowledge about ourselves and our world. Communication skills are fundamental to the use of our knowledge. Our abilities to interpret meaning accurately (as readers and listeners) and to convey meaning effectively (as writers and speakers) are essential for understanding and influencing the world.

Each student must successfully complete each of the areas listed:

1. **English Composition:**

English 101 (or 201) usually taken as a first-year student

- a. Students fulfill the requirement by successfully completing English 101; or
- b. Students may complete the requirement by passing an examination and purchasing the credit for English 101; or
- c. Students may wish to complete the requirement at a higher level by passing a qualifying examination and enrolling in English 201.

2. **Speech Communication:**

Students may complete the requirement by successfully completing Speech Communication 112, 210, or 220.

3. **Writing in the Disciplines:**

Competence as a writer does not come simply from the completion of one course. Practice, in many different contexts, is needed to develop these skills. To gain that practice, each student must demonstrate writing competence by completing at least 15 credits of writing-intensive courses (designated with a "W"). At least six of the "W" credits must be above the 100 level. Three applied writing credits (Doane Owl, Xanadu) can substitute for one three-credit "W" course.

NOTE: Students who successfully test out of English 101 at Doane receive credit toward fulfillment of the "W" requirement.

The requirement for the number of "W" credits to be earned at Doane for transfer students or students who study abroad is as follows:

Transfer Credits	"W" Credits Required
1-30	12
31-60	9
61-99	6

For pre-professional students who are on campus for two or three years and then complete their Doane degree elsewhere, the number of “W” credits required at Doane is as follows:

Doane Credits	“W” Credits Required
1-30	6
31-60	9
61-99	12

AESTHETIC PERSPECTIVE 3 credits

All societies have given form to the beautiful by artistic means. The study of and experience in forms of artistic expression can lead to an understanding and appreciation of this important aspect of all human life.

Each student must successfully complete at least three credits in this category, chosen from the following courses:

- Activity 106, 173
- Art 107, 110, 204, 205, 207, 221, 222, 234, 235, 245, 252, 254
- Fine Arts 103, 104
- Journalism 240
- Music 111, 112, 190, 191, 192, 195, 196, 211
- Theatre 101, 103, 108, 109

HEALTH & WELL BEING 2 credits

A well-rounded education includes an understanding of what health is and how to maintain it. Maintaining lifelong health should also include an involvement in constructive physical activity.

Each student must successfully complete each of the following courses:

- Physical Education 101 – Physical Activity
- Physical Education 104 – Theory of Lifetime Physical Fitness

LIBERAL ARTS SEMINAR 3 credits

We live in a complex society in which real world problems can rarely be understood through the lens of a single traditional academic discipline. A major objective of Doane College is to enable students to become creative leaders in this complex, interconnected world community. Students must not only become more proficient in subjects they have long encountered but must see new connections and communicate their discoveries and understanding with clarity. First-year students at the college will find themselves in a uniquely challenging community of learners as they begin this process of development.

The First Year Liberal Arts Seminar is a course designed to introduce students to the intellectual expectations of the college’s general education program. Students will develop critical reading and thinking skills. Students will experience significant and intellectual challenges in a supportive environment so that they may engage constructively in the rest of their general education program.

All entering students who transfer in fewer than 30 credits, or have not been a full-time student for two terms at a previous institution, will take LAR 101 Liberal Arts Seminar during their first year and must pass the course before graduating. The course counts as three credits in the Liberal Learning category.

LIBERAL LEARNING 9 credits

At Doane, the liberally educated person continues to explore new areas. Education does not suddenly narrow to one field after two years of college, nor after four. Therefore, as part of the Doane Plan, students must successfully complete nine credits of courses at an advanced level (300 or 400) in at least two different disciplines outside their primary major, or six credits outside the primary major at the advanced level (300 or 400) and Liberal Arts Seminar 101. Directed studies and selected topics courses at the 300/400 level may be used, provided they do not fulfill another part of the Doane Plan. One or two semesters of a single foreign language at any level can be applied. Students whose primary language is not English may substitute English 201 for the one semester of foreign language or English 201 and a literature course in any language for the two semesters of foreign language, provided neither is used to fulfill another part of the Doane Plan.

A course which is cross-referenced and carries a prefix of the student's primary major and a prefix of another discipline is not considered to be a course outside the student's major. Such a course may not be used to fulfill a liberal learning requirement. Internships do not fulfill the Liberal Learning requirement. Students completing interdisciplinary majors are considered to have met the liberal learning requirement by completion of the major.

General Requirements

The level of teaching and learning at Doane requires that students have certain basic skills. All students must demonstrate competencies in each of the following areas during their first year at Doane by one of the methods listed below. (Individual academic majors may require particular competencies.)

1. **Basic Mathematical Skills:** All students must demonstrate adequate basic computational skills before enrolling in any mathematics course numbered 100 or above. This requirement may be met in any of four ways:
 - a. By attaining an ACT math score of 19 or higher
 - b. By attaining an SAT math score of 500 or higher
 - c. By passing Doane's Computational Skills Test
 - d. By completing Doane Learning Center (DLC) 090/Doane Student Support Services (DSS) 090 with a grade of C- or higher
 - e. By transferring credits that are equivalent to DLC/DSS 090, or college-level mathematics

2. **Basic Writing Skills:** All students must demonstrate adequate basic skills before enrolling in English 101. This requirement may be met in any of three ways:
 - a. By attaining an ACT English subscore of 19 or above
 - b. By completing Doane Learning Center (DLC) 116/Doane Student Support Services (DSS) 117 with a C- or higher
 - c. By completing English 100 with a C- or higher (for international students whose primary language is not English)
 - d. By transferring credits that are equivalent to DLC 116, DSS 117, or ENG 101

Additional Graduation Requirements

1. Completion of a minimum of 132 credits, with a cumulative grade point average of 2.00 or above.
NOTE: Students who take DLC 090 or DSS 090 are required to complete a minimum of 135 credits.
2. Completion of an academic major in which the grade point average is 2.00 or above in all major coursework including cognates, which may be outside the students primary discipline.
3. Completion of an optional minor or additional major(s) or minor(s) also requires a grade point average in that major or minor of 2.00 or above.
4. Completion of three interterms with a minimum of nine interterm credits. All interterm courses are 3 credit hour courses. All full-time degree-seeking students must complete an interterm during their first year. Six of the nine credits must be earned in courses with an interterm prefix (ITM). All students residing on campus during the interterm (except those involved in cocurricular activities who have completed their interterm requirement) must be enrolled in an approved course. Seniors who have satisfied the 9 hour requirement may choose to take a 1 or 2 credit hour internship course during their final interterm, however they are not eligible to live on campus. Students wishing to take 2 interterm courses, or 6 hours of credit, must have approval from the Academic Vice President. Students will need to pay the current tuition rate for the additional 3 credit hour course. NOTE: For specific requirements, see transfer students, pre-professional students, or interterm.

Stipulations

1. The following credit maximums apply toward graduation:
 - a. A total of 48 credits in the major prefix discipline with these exceptions: 54 credits in the music major, public school music emphasis; 54 credits in the art major, public school art emphasis; 65 credits in the art major, professional or graphic arts emphasis.
NOTE: *The 48-credit limit does not apply to the interdisciplinary majors.*

- b. Four physical education activity/theory of physical fitness credits.
 - c. Six activity credits.
 - d. Nine DLC and/or DSS credits.
2. Students who have been full-time students at Doane for at least two terms (excluding interterms and summer sessions) and are in good academic standing may earn internship credit through work experience. Before enrolling for internship credit, however, students are required to successfully complete Cooperative Education 205. A maximum of 12 combined internship credits may count toward graduation. Internship credits earned during the interterm are included in the 12 credits that can be applied to graduation.
 3. The last 30 credits immediately preceding graduation will normally be in residence.
 4. Requirements for a major or minor must be met by following a catalog in effect during the student's year of entry or a subsequent term of enrollment at Doane College.
 5. A student who chooses to complete more than one major, minor, emphasis, or endorsement may fulfill the requirements of each by using common courses, unless otherwise specified.
 6. Requirements for the Doane Plan must be met by completing the requirements for each category of the Doane Plan in the student's catalog of entry. Any course added to a Doane Plan category may be used as an additional option for that category regardless of the catalog of entry.
 7. A course used to fulfill a requirement for the Doane Plan may also be used to fulfill a requirement for a major, minor, emphasis, or endorsement, unless otherwise specified.
 8. Each student is responsible for making certain all degree requirements are met. Faculty advisers, student advising guides, and the program evaluations available on web adviser help students monitor their progress toward graduation.
 9. Graduation requirements are reviewed on a case-by-case basis for students who return to Doane after an extended absence.
 10. All other academic policies and regulations as stated in this catalog must be followed.

Declaration of a Major

In the fall semester of the sophomore year, students are asked to officially declare their major by filing the Declaration of Major form with the Registrar's Office. (Students who sign the Four-year Guarantee may be required to declare their major earlier than the sophomore year.) Students may also declare a secondary major, minor(s), emphasis or endorsement. Students are encouraged to select an adviser in their area of study by obtaining permission of the new adviser and completing a change of adviser form. Transfer students entering at the junior or senior level declare their major during their first term at Doane. Once a student officially declares a major, minor, or emphasis, he/she must report any additions, deletions, or changes to the Registrar's Office and fill out a Change of Major form.

Majors

Requirements for the majors are specified in the “Programs and Courses of Instruction” chapter. Major requirements must be met by following the catalog in effect during the student’s year of entry or subsequent terms of enrollment at Doane College.

Accounting	* International Studies
Art	Journalism
* Biochemistry	Mathematics
Biology	Music
Honors Biology	* Natural Science
Business Administration	Philosophy
Business Principles	Physical Education
Chemistry	Physical Science
Computer Science	Physics
Computer Science - Honors	Political Science
Economics	Psychology
Elementary Education	Public Administration
English	Religious Studies
English as a Second Language	* Social Science
English/Language Arts	Sociology
* Environmental Science	Spanish
French	Special Education
German	Theatre
History	
Information Systems	* Interdisciplinary Majors
Information Systems - Honors	
	See page 230 for Pre-Professional

Minors

A minor is not required for graduation. Students who choose to complete one or more minors must declare their choice(s) at the Registrar’s Office. Once declared, students must meet the requirements specified in the catalog in effect during their year of entry or subsequent terms of enrollment at Doane College.

Multiple Majors, Minors, Emphases, Endorsements

A student who chooses to complete more than one major, minor, emphasis, or endorsement may fulfill the requirements of each by using common courses, unless otherwise specified.

Minors

Accounting	Mathematics
Art	Music
Biology	Philosophy
Business Administration	Physics
Chemistry	Political Science
Computer Studies	Psychology
Creative Writing	Religious Studies
Economics	Sociology
English	Spanish
Environmental Studies	Speech Communication
French	Theatre
German	
History	

Student-Generated Major

The student-generated major enables a Doane student to design an interdisciplinary alternative to established majors. A petition co-signed by the student's faculty adviser stating the objectives and listing specific courses to be included in the proposed major must be submitted to the chair of the Academic Affairs Committee. The petition is then reviewed by this committee and, if approved, constitutes the approved course of study to be followed by the student.

Student-generated majors are governed by the following stipulations:

1. A proposal for a student-generated major must be presented to the Academic Affairs Committee chairperson no later than the third day after classes begin in the fall of the student's junior year. This deadline must be met except in unusual extenuating circumstances.
2. Students are required to include in their proposal:
 - a. A statement of rationale for the student-generated major showing why this major is necessary rather than, or in addition to, a traditional major, and how the student-generated major will be useful in career planning.
 - b. An assessment plan which includes at least two sources of data (e.g., portfolio, evidence from internships, etc.) to demonstrate how the student will meet the objectives.
 - c. A list of courses completed to date, and those yet to be completed, for the student-generated major.
 - d. A plan showing how the student-generated major can be completed in four years and, if it cannot be completed in that time, an expected completion date.

3. After approval of the student-generated major by the Academic Affairs Committee, the student submits a copy of the major to the Assessment Committee.
4. The student submits a final report to the Assessment Committee prior to the last month of the student's final semester. The report must include a summary of the data gathered to measure the objectives.
5. Requests for changes in a student-generated major at any point after its initial acceptance by the Academic Affairs Committee must be submitted to that committee for approval.

Supplemental Course Offerings

In addition to regular courses offered in a particular term, the following options are also available:

Selected Topics courses (271, 371, 471) offer students an opportunity to investigate topics not covered in any other course and provide a procedure for faculty to pilot new courses. A selected topics course is not offered as an independent study but as a supplement to regular catalog courses and is listed on the schedule of classes with an assigned time and room. The faculty in the discipline must submit a proposal to the Academic Dean for approval to offer a selected topics course. Once it is approved, they must inform the Registrar of the course title and description.

Selected topics courses may be offered for 1-3 credits. (For courses which include a laboratory component, one additional credit may be added.) Generally a maximum of six credits of selected topics courses may be counted in the student's major. Selected topics are repeatable for credit, provided the topic is different. Once a particular selected topics course has been offered during two consecutive years, it must be approved by the faculty as a regular catalog course before it can be offered again.

Directed Studies (290, 390, 490) offer an opportunity for supervised, independent study of a particular topic based on the interest of the student and the availability and approval of the faculty. Any discipline may choose to offer a directed study. Such courses are generally restricted to sophomores, juniors, and seniors. Directed studies may be offered for 1-3 credits. (For courses which include a laboratory component, one additional credit may be added.) Students must complete a directed study application form, secure the necessary signatures and submit the form to the Registrar's Office. Directed studies are repeatable for credit, provided the topic is different.

70 / Supplemental Course Offerings

Honors Courses (298, 398, 498) provide opportunities for enrichment and are offered to students who have demonstrated outstanding academic performance in a particular discipline. These opportunities may take several forms: reading projects, teaching and tutorial assistance in courses, or research and writing. Honors courses may be offered for 1-3 credits. (For courses which include a laboratory component, one additional credit may be added.) Students must complete an honors course application form and submit it to the Registrar.

A Tutorial Course is listed and described in the catalog and taught during a term in which the course is not scheduled to be offered. A special tutorial form from the Registrar's Office must be filled out and permission from the Academic Dean granted before such a course may be taught.