

Pre-Dentistry, Pre-Medicine, Pre-Veterinary Associate in Science

Total Required Credits for Degree: minimum of 64
General Education Core Curriculum: minimum of 37
Additional Math/Science: 10 to 15
Additional Coursework: 12 to 17
Code: Pre-Dentistry, 8116; Pre-Medicine, 8153;
 Pre-Veterinary, 8188
Note: Consult a faculty adviser or the Counseling and Advising office before planning coursework.

About the Program

The professional fields of dentistry, medicine and veterinary medicine are well known for their social, psychological, economic and essential benefits to both patient and practitioner. The College of DuPage program prepares students for transfer to a baccalaureate-granting institution. A student usually must earn a bachelor's degree in any area of interest before being considered by a professional school. Final acceptance by a professional school is based on analysis of previous college work, special entrance examinations and other criteria. See program notes below.

Program web site: www.cod.edu/biology

First Semester Possibilities

Students enrolled in a minimum of 12 credits are considered full-time students. The following courses are examples of possible choices for the first semester of study:

| Course | Credits |
|---|---------|
| Biology 1151 Principles of Biological Science | 5 |
| Chemistry 1551 Principles of Chemistry I | 5 |
| English 1101 English Composition I..... | 3 |
| Mathematics 1431 Precalculus I..... | 5 |

Program Notes

1. Check with your selected transfer institution for guidance in course selection. Requirements, especially in veterinary medicine, tend to be more stringent and more varied.
2. Some schools require one or two years of foreign language.
3. Begin mathematics, biology and chemistry in your first year to ensure you will be able to complete the necessary sequences within two years. Once you have completed these sequential courses, you will be able to enter upper-level courses at baccalaureate-granting institutions.
4. Calculus is usually required by baccalaureate-granting institutions.
5. Some baccalaureate-granting schools may require Physics 2111, 2112 and 2115, a sequence that requires calculus.

General Education Core Curriculum

Each candidate for an A.S. degree shall satisfactorily complete a minimum of 37 General Education credits. General Education credit may not be earned using a Satisfactory/Fail grade.

Use the *Student Planning Worksheet* or consult a list of General Education categories and courses for this degree to decide what needs to be taken. Links can be found on the Pre-Dentistry/Pre-Medicine/Pre-Veterinary online program guide (www.cod.edu, click on "Academics" and then choose this program from the drop-down menu).

Under the specified General Education headings below, the following courses are recommended for the Pre-Dentistry, Pre-Medicine and Pre-Veterinary Associate in Science degree:

Communication: 9 credits

Written: 6 credits

Oral: 3 credits

Required courses: English 1101 and 1102 (grade of "C" or higher required); Speech 1100 (grade of "C" or higher required)

Physical/Life Sciences: 7 to 10 credits

Select at least one course from Life Sciences and one course from Physical Sciences. At least one course must have a laboratory component.

Recommended courses: Biology 1151*, 1152; Chemistry 1551* (Math 1431 (or equivalent) is a pre-requisite to Chemistry 1551) and 1552 (inorganic); Chemistry 2551 and 2552 (organic).

(*conforms to IAI standards)

Mathematics: 3 to 5 credits

Recommended courses: Mathematics 1431, 1432; 2231, 2232. See Program Notes 3, 4 and 5.

Humanities and Fine Arts: 9 credits

Select at least one course from Humanities and at least one course from Fine Arts.

Please note: Only one foreign language course may apply for general education credit. Additional foreign language courses will count as elective credit toward your degree.

Earn no more than 6 credits in History in the Humanities and Fine Arts, and Social and Behavioral Sciences categories combined. Additional credits in History from general education or other categories may be earned as elective credit, unless restricted by degree requirements.

Recommended course: Philosophy 1112. See Program Notes 1 and 2.

Social and Behavioral Sciences: 9 credits

Courses must be selected from at least two disciplines. See note under Humanities/Fine Arts regarding History courses.

Recommended courses: See the *Student Planning Worksheet*.

(continued on next page)

Pre-Dentistry, Pre-Medicine, Pre-Veterinary

Associate in Science

(continued from page 1)

Additional Math/Science Requirements

Physical and Life Sciences

Select two courses up to a maximum of 10 credits.

Recommended courses: See Program Note 5.

Mathematics

Select one course up to a maximum of 5 credits.

Recommended course: See Program Notes 3, 4 and 5.

Additional Coursework

Students are strongly advised to consult with a faculty adviser and/or the transfer institution in selecting 12 to 17 General Elective credits. Students can earn a maximum of 10 credits in technical/occupational areas (the transferability of these courses needs to be validated with a transfer institution).

Additional A.S. Degree Requirements

These credits can count as either General Education Core Curriculum (in the Humanities category or the Social and Behavioral Sciences category) or as General Elective credit, whichever applies.

Human Relations: Complete one course.

Recommended course: See the *Student Planning Worksheet*.

Global/Multicultural Studies or Contemporary Life Skills:

Complete one course.

Recommended course: See the *Student Planning Worksheet*.

IAI (Illinois Articulation Initiative)

The IAI General Education Core Curriculum is based on a package concept, in which a package of courses is used to meet the receiving institution's lower-division general education requirements. The entire IAI package must be completed to ensure full articulation.

Always seek the advice of an academic adviser at College of DuPage or an admissions counselor at a transfer institution when choosing major courses. For additional information, check the web site at: www.itransfer.org or the College of DuPage transfer guide web site at home.cod.edu/academics/transferinfo.

Advisers

If you are considering this program as an area of study, consult with an adviser in this field:

| | Location | Phone |
|--|----------|----------------|
| Barbara Anderson | HS 1329 | (630) 942-2347 |
| E-mail: Anderson@cod.edu | | |
| Areas of interest: Biology, Botany | | |
| Lynn Fancher | HS 1341 | (630) 942-2127 |
| E-mail: fancher@cod.edu | | |
| Areas of interest: Biology, Botany | | |
| Julie Gibbs | HS 2325 | (630) 942-2262 |
| E-mail: gibbsj@cod.edu | | |
| Areas of interest: Biology | | |
| Nancy Kett | HS 2329 | (630) 942-2134 |
| E-mail: kettna@cod.edu | | |
| Areas of interest: Biology, Anatomy and Physiology | | |
| Jim Ludden | HS 2333 | (630) 942-4073 |
| E-mail: ludden@cod.edu | | |
| Areas of interest: Biology, Anatomy and Physiology | | |
| Karen Persky | HS 2321 | (630) 942-3932 |
| E-mail: persky@cod.edu | | |
| Areas of interest: Biology, Microbiology | | |
| Chris Petersen | HS 1337 | (630) 942-2517 |
| E-mail: Petersen@cod.edu | | |
| Areas of interest: Biology, Zoology | | |
| Lynda Randa | HS 1327 | (630) 942-2706 |
| E-mail: randal@cod.edu | | |
| Areas of interest: Biology, Botany | | |
| Tom Ruehlmann | HS 2327 | (630) 942-3064 |
| E-mail: ruehlman@cod.edu | | |
| Areas of interest: Biology, Anatomy and Physiology, Zoology | | |
| Shamili Sandiford | HS 1333 | (630) 942-2123 |
| E-mail: sandifor@cod.edu | | |
| Areas of interest: Biology, field experiential courses | | |
| Susan Stamler | HS 2331 | (630) 942-2348 |
| E-mail: stamler@cod.edu | | |
| Areas of interest: Biology, Microbiology | | |
| Beth Vlad | HS 1335 | (630) 942-3387 |
| E-mail: vladbeth@cod.edu | | |
| Areas of interest: Biology, field experiential courses | | |