SAMPLE FIRST-SEMESTER COURSES
PRE-PROFESSIONAL PROGRAMS

Students typically take 17 credits in the first term: four 4-credit courses and a 1-credit College Success course.

Full-time enrollment is 12-18 credits per semester.

Minnesota students who have a Minnesota State Grant will need a minimum of 15 credits.

Registration will be maintained within 18 credits and will accommodate majors that require additional 1-2 credit courses (e.g., ensembles and lessons for music).

First-year students will be enrolled in:
- 1 cr. College Success
- 4 cr. Learning Foundations or Cultural and Social Difference
- 4-8 cr. Courses toward interests, as noted below
- 4-8 cr. Global language or other Integrations Curriculum courses

### ADDITIONAL INFORMATION IS AVAILABLE ONLINE.
Click on the professional areas of interest to visit the website for each field.

COURSE DESCRIPTIONS are available in the [Academic Catalog](#).

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First-Semester Courses for Pre-Professional Interests

As noted above, plan for one or two courses—4-8 credits—toward your area(s) of interest.

#### ATHLETIC TRAINING
BIOL 101 Foundations of Biology (in first or second year)
EXHS 111 Intro to Exercise/Health Science

#### CHIROPRACTIC
BIOL 101 Foundations of Biology OR
CHEM 125 Intro to Chemical Structure and Properties
CHEM 201 Purification/Separation Lab 1

#### DENTISTRY
BIOL 101 Foundations of Biology
CHEM 125 Intro to Chemical Structure and Properties
CHEM 201 Purification/Separation Lab 1

#### ENGINEERING
MATH 119 Calculus I, MATH 120 Calculus II or MATH 239 Linear Algebra
Additional course depending on focus:
- **Chemical Engineering:**
  - CHEM 125 Intro to Chemical Structure and Properties
  - CHEM 201 Purification/Separation Lab 1

- **Computer Engineering:**
  - CSCI 150 Introduction: Science/Computing

- **Biomedical Engineering:**
  - BIOL 101 Foundations of Biology
  - CHEM 125 Intro to Chemical Structure and Properties
  - CHEM 201 Purification/Separation Lab 1

- **Other Types (Civil, Electrical, Mechanical) or Undecided:**
  - PHYS 191 Foundations of Physics I

#### FORESTRY
Appropriate science major coursework, typically:
- BIOL 101 Foundations of Biology
- CHEM 125 Intro to Chemical Structure and Properties
- CHEM 201 Purification/Separation Lab 1

#### LAW
Coursework according to major/minor interests
Register at the pre-law website to be on the mailing list. Consult with pre-law advisor during the first year.

#### MEDICINE
BIOL 101 Foundations of Biology
CHEM 125 Intro to Chemical Structure and Properties
CHEM 201 Purification/Separation Lab 1

Refer to the pre-medicine website for curriculum options.

#### OCCUPATIONAL THERAPY
BIOL 101 Foundations of Biology (in first or second year)
PSYC 111 Introductory Psychology

#### OPTOMETRY
BIOL 101 Foundations of Biology
CHEM 125 Intro to Chemical Structure and Properties
CHEM 201 Purification/Separation Lab 1
PSYC 111 Introduction to Psychology

#### PHARMACY
BIOL 101 Foundations of Biology
CHEM 125 Intro to Chemical Structure and Properties
CHEM 201 Purification/Separation Lab 1
SOCI 111 Intro to Sociology or PSYC 111 Introduction to Psychology

#### PHYSICAL THERAPY
Any two of the following:
- BIOL 101 Foundation of Biology
- CHEM 125 Intro to Chemical Structure and Properties
- CHEM 201 Purification/Separation Lab 1 in first or second year
- PSYC 111 Introductory Psychology

#### PHYSICIAN ASSISTANT
BIOL 101 Foundations of Biology
CHEM 125 Intro to Chemical Structure and Properties
CHEM 201 Purification/Separation Lab 1

#### VETERINARY MEDICINE
BIOL 101 Foundations of Biology
CHEM 125 Intro to Chemical Structure and Properties
CHEM 201 Purification/Separation Lab 1