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-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
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 I
- CHEM 201 Purification/Separation Lab 1

**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.

**MEDICAL TECHNOLOGY**

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

**MEDICAL RECORDING**

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

**OPHTHALMOLOGY**

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

**PHARMACY**

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

SOC 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