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

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 I
CHEM 201 Purification/Separation Lab 1

LAW
There is no set curriculum for pre-law. Plan coursework according to major/minor interests. 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

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.