Whatever your major will be, Computer Science (CS) will enhance your education.

A CS minor can be added to any major. Students with a CS minor can achieve a CS master’s degree in one additional year of study. Earn your BS+MS in 5 years!

Taking these courses will secure a CS minor and fulfill pre-requisite course requirements for the CS MS degree:

- CSCI 261: Programming Concepts
- CSCI 262: Data Structures
- CSCI 306: Software Engineering
- CSCI 341: Computer Organization
- CSCI 358: Discrete Mathematics
- CSCI 406: Algorithms
- CSCI 442: Operating Systems

**SAMPLE BS+MS TIMELINE**

The combined BS+MS program allows current Mines undergraduates to double count two 400-level courses, Algorithms and Operating Systems, with a grade of B- or better in each class.

The following is a suggested timeline to assist you in finishing your MS degree in one year upon completion of your undergraduate degree.

**SENIOR YEAR**

**Fall Semester**
CSCI 406: Algorithms (double count)

**GRADUATE YEAR**

**Fall Semester**
CSCI 561: Theory of Computation

**PLUS 3 Electives - Examples:**
- CSCI 580: Advanced High Performance Computing
- CSCI 575: Machine Learning
- CSCI 585: Information Security Privacy

**Spring Semester**
CSCI 564: Advanced Computer Architecture

**PLUS 3 Electives - Examples:**
- CSCI 544: Advanced Computer Graphics
- CSCI 563: Parallel Computing for Scientists and Engineers
- CSCI 573: Human-Centered Robotics

**SENIOR YEAR**

**Spring Semester**
CSCI 442: Operating Systems (double count)

**GRADUATE YEAR**

**Spring Semester**
CSCI 564: Advanced Computer Architecture

**PLUS 3 Electives - Examples:**
- CSCI 544: Advanced Computer Graphics
- CSCI 563: Parallel Computing for Scientists and Engineers
- CSCI 573: Human-Centered Robotics

**WITH ADDITIONAL QUESTIONS, CONTACT:**

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