

Other CMC courses, including the History 100 seminars, may be designated as core courses if the topic is appropriate. In consultation with their faculty advisor, students may use the courses above as electives in the major, if appropriate.

Courses at the Other Claremont Colleges

In consultation with their faculty advisor majors are encouraged to select appropriate courses from the courses offered by the other Claremont Colleges for the major.

COMPUTER SCIENCE SEQUENCE

The Computer Science Sequence is designed to complement most other CMC majors. The sequence provides solid training in the theory and practice of computing, beginning with the mastery of fundamental applications and elementary programming, and culminating in courses emphasizing both the abstract principles of computer science as well as modern software development methodologies. Completion of the sequence is listed on students' transcripts. For further information, please contact Professor Arthur Lee or Professor Pinter-Lucke of the mathematics department.

Sequence Requirements

The sequence requires a total of six courses, distributed as follows:

Mathematics 50. Discrete Mathematics

Five courses selected from the following CMC computer science courses:

- **50. Introduction to Programming and Computer Tools**
- **60. Object-Oriented Programming with Applications**
- **70. Numerical Algorithms**
- **80. Nonnumerical Algorithms**
- **85. Global Networks: Theory and Practice**
- **90. Systems Architecture**
- **100. Software Development: Theory and Practice**

Additional computer science courses will be developed in the next two years. Mathematics 50 may also be used for the general education requirement in mathematics.

- Notes:
- Applications users with little or no experience in programming should start with *Computer Science 50. Introduction to Programming and Computer Tools*.
 - Students who are fluent with programming concepts through a language such as Pascal, Java, or C++ may start with *Computer Science 60. Object-Oriented Programming with Applications*, or *70. Numerical Algorithms*. The latter course is especially recommended for students planning to use the computer as a technical tool in economics, government, or the various sciences.
 - Students with an interest in software development should plan on taking *Computer Science 80. Nonnumerical Algorithms*, *85. Global Networks: Theory and Practice*, *90. Systems Architecture*, and *100. Software Development: Theory and Practice*. See the listings under mathematics for complete course descriptions and availability.

Computer Science Courses at The Claremont Colleges

Pomona College and Harvey Mudd College offer a cooperative program with a major in computer science. CMC students interested in taking off-campus computer science courses are encouraged to discuss their plans with Professor Arthur Lee or Professor Pinter-Lucke to ensure they select appropriate courses.

