

# COMPUTER SCIENCE ACADEMIC MAP (Rev.10/02/06)

This map is a term-by-term sample course schedule. The milestones listed to the right of each term are designed to keep you on course to graduate. To graduate on-time, you need to make sure you have achieved or surpassed these milestones by the end of each term. The Sample Schedule serves as a general guideline to help you build a full schedule each term and may use categories of courses such as LS History for a Liberal Studies History course. The Liberal Studies and elective courses must be selected to satisfy all area, literature, lab, Gordon Rule, and multicultural requirements unless your program meets these requirements with major courses.

The Computer Science Department degree program provides a broad background in programming, theoretical computer science, hardware, mathematics, and physical science. Computer Science Department is *limited access*. *Students must achieve at least a 2.5 GPA in all college work attempted and have completed MAC2311 and CGS3408, or the equivalent, with at least the grade of "C-" in order to be admitted.* Students starting math at a level below calculus will graduate with more than the minimum 120 hours needed for the degree but will not be considered "off-course". *Students must maintain a 2.35 GPA to remain in good standing in the major. Students with more than five grades below "C-" in math, statistics, science, or computer science courses will not be permitted to continue as a major in the department.* Students may want to consider full-time enrollment in summers to ease the academic pressures during the fall and spring terms.

## SAMPLE SCHEDULE

TERM 1	Hrs.
ENC1101 or higher English	3
MAC2311	4
COP3014	3
COP3344	1
LS History/Humanities/Social Science	3
Total hours	14

TERM 2	Hrs.
ENC1102 or other second English	3
MAC2312	4
COP3330	3
LS History/Humanities/Social Science	3
Total hours	13

TERM 3	Hrs.
PHY2048C	5
MAD2104	3
CDA3100	3
LS History/Humanities/Social Science	3
Total hours	14

TERM 4	Hrs.
COP4530	3
MAD3105	3
CDA3101	3
SPC2600	3
LS History/Humanities/Social Science	3
Total hours	15

Summer	Hrs.
PHY2049C	5
LS Natural Science for Majors	3

## MILESTONES

TERM 1
Complete ENC1101

TERM 2
Complete ENC1102 or other second English
Complete MAC1140 or higher

TERM 3
Complete MAC1114 or higher
Minimum Overall GPA of at least 2.5

TERM 4
Completed MAC2311 or higher
Minimum Overall GPA of at least 2.5
Completed COP3014 or equivalent

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## SAMPLE SCHEDULE

TERM 5	Hrs.
COP4610	3
CS Programming Language Elective	3
Foreign Language I	4
LS History	3
Total hours	13

TERM 6	Hrs.
STA4442	3
COP4531	3
COP3331	3
Foreign Language II	4
Total hours	13

TERM 7	Hrs.
COP4020	3
CS 4000 level Elective	3
Foreign Language III	4
Advanced Math Elective	3
Elective	3
Total hours	16

TERM 8	Hrs.
COT4420	3
COP4710	3
CS 4000 level Elective	3
CS 4000 level Elective	3
LS History/Humanities/Social Science	3
Total hours	15

## MILESTONES

TERM 5
GPA of at least 2.35 after formally admitted.
Completed COP3330

TERM 6
Overall GPA of at least 2.35
Completed CDA3101
Completed COP4530

TERM 7
Overall GPA of at least 2.35

TERM 8
Overall GPA of at least 2.35
Apply for graduation in 1 <sup>st</sup> two weeks

### Employment Information

Representative Job titles Related to this Major: Programmer (Scientific, Business, Systems), Technical Writer, Systems Analyst, Operations-Research analyst, Software Engineer, Webmaster, Teacher of High School, College or University, Technical Support Representative, Manager, Data Processing System Manager, Network Administrator, Sales Representative for Computer or Software Manufacturers.

Representative Employers Computer Firms, High Schools, Colleges and Universities, Financial Firms, Private Industry, Governmental Agencies.

### International Opportunities

International study is available for all students and may include opportunities for internships or taking course work towards various minors. International study may have an impact on the MAP; therefore, it is important to consult with the academic advisor for this major before participating in an International Programs opportunity. Interested students should also contact the Office of [International Programs](#).

This Map is not a contract; either expressed or implied, between the University and the student, but represents a flexible program of the current curriculum which may be altered from time to time to carry out the academic objectives of the University. The University specifically reserves the right to change, delete or add to any Map at any time within the student's period of study at the University.