

SOFTWARE ENGINEERING (SENG)

School of Computer Science, College of Engineering and Physical Sciences

Major (Honours Program)

Since many courses are offered in only one semester and course pre-requisites place an ordering on courses, the following program of studies is designed so that students can schedule their courses over 8 semesters of study. Students deviating from this schedule must consult with their academic advisor.

Code	Title	Credits
Semester 1		
CIS*1250	Software Design I	0.50
CIS*1300	Programming	0.50
CIS*1910	Discrete Structures in Computing I	0.50
1.00 credits in the Area of Application or electives		1.00
Semester 2		
CIS*2250	Software Design II	0.50
CIS*2500	Intermediate Programming	0.50
MATH*1160	Linear Algebra I	0.50
1.00 credits in the Area of Application or electives		1.00
Semester 3		
CIS*2030	Structure and Application of Microcomputers	0.50
CIS*2430	Object Oriented Programming	0.50
CIS*2520	Data Structures	0.50
CIS*3250	Software Design III	0.50
0.50 credits in the Area of Application or electives		0.50
Semester 4		
CIS*2750	Software Systems Development and Integration	0.75
CIS*3110	Operating Systems I	0.50
CIS*3490	The Analysis and Design of Computer Algorithms	0.50
0.75 credits in the Area of Application or elective		0.75
Semester 5		
CIS*3750	System Analysis and Design in Applications	0.75
STAT*2040	Statistics I	0.50
0.50 credits in CIS at the 3000 level or above		0.50
0.75 credits in the Area of Application or electives		0.75
Semester 6		
CIS*3760	Software Engineering	0.75
0.50 credits in CIS at the 3000 level or above		0.50
1.25 credits in the Area of Application or electives		1.25
Semester 7		
CIS*3260	Software Design IV	0.50
CIS*4150	Software Reliability and Testing	0.50
CIS*4300	Human Computer Interaction	0.50
1.00 credits in the Area of Application or electives		1.00

Semester 8		
CIS*4250	Software Design V	0.50
1.50 credits in the Area of Application or electives		1.50
0.50 credits in CIS at the 4000 level		0.50