

COMPUTER SCIENCE MAJOR

2005/06

LIBERAL ARTS CORE REQUIREMENTS CHECKLIST

F=Fall S=Spring FS= Fall & Spring
AA=as announced s.h.=semester hours

(3x) = take 3 times

*=has prerequisite-check the class below it for details

SL=Service Learning DW=Diverse World

SE=Senior Experience

You must take all of the following

	sem	s.h.
___ IDS 499 Major Seminar-each sem.	(FS)	1
___ IDS 151 Self and Community I	(F)	3
___ IDS 152 Self and Community II	(S)	3
___ IDS 111 Writing and Rhetoric I	(F)	3
___ IDS 112* Writing and Rhetoric II	(S)	3
___ IDS 211 Civilization Studies I	(F)	3
___ IDS 212 Civilization Studies II	(S)	3
___ IDS 251 Nature, Tech, & Humanity	(FS)	3

Math Proficiency- 3 semester hours

Take one class:

or take math proficiency test

___ MTH 120 Nature of Math for non-math majors	(FS)	4
___ MTH 150-151 Precalc. or Calculus I	(FS)	4
___ CS 140 Computer Science I	(F)	3
___ BIO 406 Biostatistics	(F)	3
___ PHA 201 Intro to Physics I	(F)	4
___ PHA 202 Intro to Physics II	(S)	4
___ PHA 251 Physics I and PHA 251L Physics I lab (prereq. MTH 150)	(F)	5

Science Experience-3 semester hours

Take one class:

___ SCI 102-Biological Science	(FS)	3
___ SCI 103-Astronomy	(FS)	3
___ SCI 105-Intro to Geology	(S)	3
___ SCI 107-Environmental Science	(FS)	3
___ BIO 111-Prin. of Bio: Molecules to Cells	(F)	3
___ BIO 112-Prin. of Bio: Organ. to Ecosystems	(S)	3
___ PHA 201-Intro to Physics	(F)	3
___ BIO 105-Human Biology	(S)	3

Creative Experience-3 Semester hours

Take one class:

___ ART 105-Drawing Skills Lab	(S)	3
___ ART 107-Visual Foundations	(FS)	3
___ ART 200 level or above studio class		3
___ ENG145-Intro to Creative Writing	(S)	3
___ ENG 245-Fiction Writing	(F)	3
___ ENG 247-Poetry Writing	(S)	3
___ MUS 110-College Choir (3x)	(FS)	3
___ MUS 112-Women's Chorale(3x)	(F)	3
___ MUS 141-Class Piano I	(F)	1
___ MUS 142-Class Piano II	(S)	1
___ THR 111-Acting	(FS)	3

Arts Exploration must be taken outside of the major. If one of these courses is required for your major, you must take a different course to satisfy this requirement.

Arts Exploration:Take One Class:

___ ART 101-Image and Culture	(F)	3
___ ART 201: Texts and Culture	(FS)	3
___ MUS 120:Music and Culture	(FS)	3
___ THR 106:Theatre and Culture	(FS)	3

COMPUTER SCIENCE MAJOR REQUIREMENTS

Major courses (45 semester hours)

Complete each of the following:

___ CS 140* Computer Science I	(F)	3	
*MTH 150 or may be taken concurrently			
___ CS 240* Computer Science II	(S)	3	
*CS 140			
___ CS 250* File Processing	(F/even)	3	
*CS 240			
___ CS 260* Assembly Language Prog.	(S)	3	
*CS 240			
___ CS 310* Sem. in Computer Ethics	(F/even)	1	
*CS 240			
___ CS 320* Prog. Language Concepts	(F)	3	
*CS 240			
___ CS 340* Data Structures	(F)	3	
*CS 240			
___ CS 360* Computer Org. and Arch.	()	3	
*CS 260 or concurrent			
___ CS 412* Operating Systems	()	3	
*CS 260			
___ MTH 151* Calculus I	(FS)	4	
*MTH 150 w/"C" or better			
___ MTH 152* Calculus II	(S)	4	
*MTH 151 w/"C" or better			
___ MTH 242* Discrete Mathematics	(FS)	3	
*MTH 150 or 151			

Complete nine semester hours from the following:

___ CS 380* Practicum in Prog. Lang.	(AA)	1-3	
*Instructor permission			
___ CS 402* Computer Graphics	(AA)	3	
*CS 240			
___ CS 408* Expert Systems	(AA)	3	
*CS 340 or concurrent			
___ CS 410* Computer Networks	()	3	
*CS 360			
___ CS 416* Systems Programming	(AA)	3	
*CS 260			
___ CS 418* Ind Study in Computer Scie	(AA)	3	
*instructor permission			
___ CS 450* Spec. Topics in Computer Science	(AA)	3	
*instructor permission			
___ IDS 390 Cooperative Education Experience		3	

* ___ **Complete a class that satisfies the Diverse World requirement (DW).**

* ___ **Complete a class that satisfies the Service Learning requirement (SL).**

* ___ **Complete a class that satisfies the Senior Experience requirement (SE).**

***Classes for these three requirements may change from year to year-check with the chair of your department.**

Complete an approved minor or electives to reach 120 semester hours

CLASSES ARE SUBJECT TO CHANGE