

## COMPUTER SCIENCE - GUIDESHEET 2006-07

COURSE	COURSE TITLE	CREDIT	OFFERED	PREREQUISITES/COMMENTS
<b>Required General Education Classes</b>				
CSIS 1010	<i>E-Commerce and the Global Society</i>	3	F/S	
MATH 1210	<i>Calculus I</i>	4	F/S/M	MATH 1050/60 <b>or</b> pre-college of 2½ yrs Algebra, 1 yr Geom. & ½ yr Trig.
<b>Computer Science Common CORE Classes</b>				
CSIS 1400	<i>Fundamentals of Programming</i>	3	F/S	MATH 1010 or ACT of 23
CSIS 1410	<i>Object Oriented Programming</i>	3	F/S	CSIS 1400
CSIS 2420	<i>Intro to Algorithms &amp; Data Structures</i>	3	F	"C" grade in CSIS 1410
CSIS 2600	<i>Data Communications &amp; Networking</i>	3	S	
CSIS 2810	<i>Comp Organization &amp; Architecture</i>	3	F	EET 2780
CSIS 3100	<i>Systems Analysis &amp; Design</i>	3	S	
CSIS 3200	<i>Database Design &amp; Mgmt</i>	3	F	CSIS 1000
CSIS 3600	<i>Operating Systems</i>	3	S	CSIS 2420
CSIS 3650	<i>Network Security</i>	3	F	CSIS 2600
EET 2750	<i>PC Hardware</i>	3	F/S	
EET 2780	<i>Digital Electronics I</i>	3	F	MATH 1050
MATH 1630	<i>Discrete Mathematics</i>	3	F/S	MATH 1050 (Spring rec'd for CSIS majors)
<b>Computer Science Core Classes</b>				
CSIS 3000	<i>Adv'd Algorithms &amp; Data Structures</i>	3	S	CSIS 2420 & MATH 1630
CSIS 4550	<i>Programming Lang.s &amp; Comp. Theory</i>	3	F	CSIS 3000
CSIS 4800	<i>CS Capstone Project</i>	3	S	CSIS 3000 & Sr. Standing
EET 3780	<i>Applications of Microprocessors</i>	3	F	EET 2780
MATH 1220	<i>Calculus II</i>	4	F/S	"C" in MATH 1210 <b>or</b> AP Calculus
MATH 2270	<i>Linear Algebra w/Applications</i>	3	F/S	MATH 1210, MATH 1220 or MATH 1100
MATH 3700	<i>Probability &amp; Statistics</i>	5	F	MATH 1220
<b>CS Major Elective Classes</b>				
CSIS 3150	<i>C and C++ Programming</i>	3	S-even # yrs	CSIS 2420
CSIS 3400	<i>Graphics Programming</i>	3	F-even # yrs	CSIS 2420
CSIS 3500	<i>Advanced Computer Architecture</i>	3	F-odd # yrs	CSIS 2420 & CSIS 2810
CSIS 3700	<i>Computer Forensics</i>	3	F-even # yrs	CSIS 2420
CSIS 4700	<i>Internet Forensics &amp; Cyber Security</i>	3	S-odd # yrs	CSIS 2420
EET 3790	<i>Computer Interfacing</i>	3	S-odd # yrs	EET 2780

Course offerings are subject to change without notification. Please confirm at [https://bannersec.suu.edu/pls/proddad/bwckschd.p\\_disp\\_dyn\\_sched](https://bannersec.suu.edu/pls/proddad/bwckschd.p_disp_dyn_sched).