

Class List - Computer Science and Technology

Class Title	Credits	North	Central	South	Prerequisites
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Required Course(s):

ENGL 085 - English Skills for College Success	1-5		X		Not required if student has proficiency for ENGL 099 or higher (TOEFL iBT 64 with writing 17 or IELTS 6.0 with writing 5.0)
ITC 102 - Information Systems Concepts	5		X		

Select at least one of the following courses:

CSC 110 - Introduction to Computer Programming	5		X		MATH 098 with grade of 2.0
ITC 110 - Programming Concepts & Fundamentals	5		X		BTM 111 with grade of 2.0 and eligibility for MATH 088 or permission

Additional courses:

ASTR& 100 - Survey of Astronomy	5		X		
ASTR 104 - Observational Astronomy	5		X		ASTR& 100 and MATH 102 recommended
BUS 182 - Information & Records Management	5		X		
BUS 184 - Business Database Applications	5		X		
BTM 098 - Computing Essentials	3		X		ENGL 092, ESL 093 placement, or equivalent, and basic keyboarding skills
BTM 101 - Microsoft Word	2		X		
BTM 102 - Microsoft Excel	2		X		
BTM 104 - Photoshop	2		X		
BTM 106 - Keyboarding	3		X		
BTM 107 - Speedbuilding	3		X		Keyboarding of 25 net words per minute (WPM)
BTM 111 - Business Applications I	5		X		
BTM 113 - Business Applications III	5		X		
BTM 217 - Web Design & Development	5		X		Computer experience strongly recommended
BTM 218 - Web Design with Dreamweaver	4		X		
BTM 240 - Applied Database Design	5		X		
BTM 250 - Records Information Management	5		X		
BTM 260 - Project Management	5		X		
BTM 275 - Computer User Support	5		X		
CSC 102B - Computers in Mathematics	2		X		Required for MATH 116 students. Not Recommended for other students.
CSC 102Q - Computers in Mathematics	1		X		
CSC 142 - Computer Programming for Engineers	5		X		MATH&141 and CSC 110 with grade of 2.0, or permission
CSC 143 - Computer Programming II	5		X		CSC 142 with grade of 2.0

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ENGL 120 - Digital Literature	5		X		Eligibility for ENGL&101
ENGL 125 - Writing about Science	5		X		Eligibility for ENGL&101
HDC 102 - College Survival Skills	3		X		
ITC 115 - Object Oriented Programming	5		X		ITC 110 with grade of 2.0
ITC 134 - Computer Operating Systems	5		X		ITC 102 with grade of 2.0
ITC 136 - Linux/Unix Operating Systems	5		X		MIC 101 and ITC 102 with grade of 2.0 or permission
ITC 140 - Introduction to Computer Hardware	5		X		ITC 102 with grade of 2.0 or permission
ITC 151 - Introduction to Network Security	5		X		NET 120 with grade of 2.0 or permission
ITC 155 - Data Structures	5		X		ITC 115 with grade of 2.0
ITC 160 - Powerpoint Presentations	4		X		
ITC 162 - Java 2 with Introduction to Android	5		X		ITC 115 with grade of 2.0
ITC 172 - Visual Basic with ASP.NET	5		X		ITC 110 or MIC 110
ITC 210 - Advanced Web Development	5		X		ITC 280 with grade of 2.0
ITC 220 - Database Development for Programmers	5		X		BTM 111 with grade of 2.0 or permission
ITC 222 - SQL	5		X		ITC 220 or permission
ITC 224 - Designing Database Solutions	5		X		ITC 110, 220, 222
ITC 226 - Database Administration	5		X		ITC 222
ITC 230 - Advanced Javascript	5		X		
ITC 240 - Web Application Programming 1	5		X		WEB 110 with grade of 2.0 or permission
ITC 250 - Web Application Programming 2	5		X		ITC 240 with grade of 2.0 or permission
ITC 255 - Systems Analysis	5		X		BTM 111 with grade of 2.0 or SAM Challenge test. ITC 110 or CSC 110 recommended
ITC 260 - Web Application Programming 3	5		X		ITC 250 with grade of 2.0 or permission
MATH& 141 - Pre-Calculus I	5		X		MATH 098 with grade of 2.5, or 1.5 years of high school algebra and placement within last 3 years
MIC 104F - Flash	2		X		
MIC 104T - Power Point	2		X		
MIC 160W - SUP MS APP, WRD MOS CERT	4		X		
MIC 203 - Introduction to Computer-Aided Design & Drafting	3		X		
MUSC 185 - Computer Music & Recording	5		X		
NET 120 - Network Essentials – CompTIA Network +	5		X		BTM 111 with grade of 2.0 or ability to use MS Office

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NET 122 - Network OS 1 – Windows Client Systems	5		X		NET 120 with grade of 2.0 or permission
NET 124 - Network OS 2 – Windows Server	5		X		NET 134 with grade of 2.0 or permission
NET 126 - Network OS 3 – Windows Network Infrastructure	5		X		NET 124
NET 134 - Network Communications – Enterprise TCP/IP	5		X		NET 124 or concurrent enrollment or permission
NET 138 - UNIX for Network Administration	5		X		ITC 136
NET 142 - Network Management – Cisco I	5		X		ITC 140 with grade of 2.0 or permission
NET 144 - Network Management – Cisco II	5		X		NET 142
NET 146 - Network Management – Cisco III	5		X		NET 142, 144 or permission
NET 200 - Enterprise Applications	10		X		NET 126 with grade of 2.0 or permission
PHIL& 120 - Symbolic Logic	5		X		MATH 088 or 098
PSYC& 100 - General Psychology	5		X		Eligibility for ENGL&101
SOC& 101 - Introduction to Sociology	5		X		
WEB 105 - Working on a Web Team	3		X		
WEB 110 - Web Authoring I	4		X		BTM 111 with grade of 2.0 or ability to use MS Office
WEB 112 - Typography for the Web	3		X		WEB 110 with grade of 2.0 or concurrent enrollment
WEB 114 - Photoshop for the Web	3		X		WEB 110 with grade of 2.0 or concurrent enrollment
WEB 120 - Web Authoring II	4		X		WEB 110 with grade of 2.0 or permission
WEB 130 - Web Design with Dreamweaver	4		X		WEB 120. JavaScript knowledge is helpful
WEB 150 - Introduction to JavaScript	4		X		WEB 110 or permission
WEB 160 - Writing for the Web	2		X		WEB 120 with grade of 2.0 or permission
WEB 170 - Web Animation Using Flash	4		X		WEB 120 with grade of 2.0; ITC 240 or ITC 280 w/ grade of 2.0 or concurrent enrollment
WEB 200 - Theory of Web Design	4		X		WEB 110 with grade of 2.0. Coreq: WEB 120
WEB 202 - User Centered Web Design	4		X		WEB 120 and 200 w/ grade of 2.0
WEB 205 - Web Career Strategies	2		X		WEB 120 with grade of 2.0
WEB 210 - Advanced Web Design	5		X		WEB 120 and 200 with grade of 2.0
Internship Experience	1-3				Up to 4 quarters, must be eligible for Curricular Practical Training (CPT)
Volunteer Experience	1-3				Up to 4 quarters