

Computer Information Systems A.A.S. Systems Engineering Technology Concentration

Subject: Computer Information Systems

Program Code:

AAS-CIS-SET

CIP:

11.0101

Type: A.A.S.

General Education Core Requirements

Item #	Title	Credits
ORI 110	Freshman Seminar	1
ENG 101	English Composition I	3
BUS 215	Business Communications	3
BUS 271	Business Statistics I	3
	MTH 110 or higher (excluding MTH 116)	3-4
ECO 231	Principles of Macroeconomics	3
	Humanities/Fine Arts Elective (Excluding Speech and Foreign Language)	3

Major Course Requirements

Item #	Title	Credits
CIS 134	IT Fundamentals (CompTIA ITF+)	3
	CIS 199 Network Communications or CIS 270 CISCO CCNA I	3
CIS 202	Python Programming	3
CIS 207	Introduction to Web Development	3
CIS 209	Advanced Web Development	3
CIS 222	Database Management Systems	3
CIS 251	C++ Programming	3
CIS 280	Network Security (CompTIA Security+)	3
CIS 285	Object-Oriented Programming	3
SYS 101	Introduction to Systems Engineering	3
SYS 221	Database Management for Systems Engineering	3
SYS 231	Systems Modeling I	3
SYS 232	Systems Modeling II	3
SYS 233	Systems Modeling III	3
SYS 241	Dynamic Data Visualization Applications	3
	Total credits:	64-65