Computer Science – Systems Engineering Technology (SET)

Program: Computer Science

AAS SYSTEMS ENGINEERING TECHNOLOGY - Guided Pathways/Map

Semester 1 (Fall)

Item #	Title	Credits
ORI 110	Freshman Seminar	1
CIS 134	IT Fundamentals	3
CIS 150	Introduction to Computer Logic and Programming	3
CIS 222	Database Management Systems	3
ENG 101	English Composition I	3
SYS 101	Introduction to Systems Engineering	3
	Sub-Total Credits	16

Semester 2 (Spring)

Item #	Title	Credits
BUS 271	Business Statistics I	3
CIS 251	C++ Programming	3
CIS 199	Network Communications	3
MTH 100	Intermediate College Algebra	3
IDS 102	Ethics	3
SYS 231	Systems Modeling I	3
	Sub-Total Credits	18

Semester 3 (Fall)

Item #	Title	Credits
CIS 255	JAVA Programming	3
CIS 211	Principles of Information Assurance	3
SPH 106	Fundamentals of Oral Communication	3
CIS 280	Network Security	3
SYS 221	MBSE in Digital Environment	3
SYS 232	Systems Modeling II	3
	Sub-Total Credits	18

Semester 4 (Spring)

Item #	Title	Credits
CIS 202	Python Programming	3
MTH 112	Precalculus Algebra	3
ECO 231	Principles of Macroeconomics	3
SYS 233	Systems Modeling III	3
SYS 241	Systems Engineering Technology Capstone	3
	Sub-Total Credits	15
	Total credits:	**67**