Information Technology – Coordinated Plans of Study for ND Career and Technical Education or Academic Scholarships

Information Technology Career Cluster

Network Systems			Information Support & Services			Web and Digital Communications			Programming & Software Development		
Course Code	Description	No. of Credits	Course Code	Description	No. of Credits	Course Code	Description	No. of Credits	Course Code	Description	No. of Credits
27101	Intro to IT	¼, ½, 1	27101	Intro to IT	¼, ½, 1	27101	Intro to IT	¼, ½, 1	27101	Intro to IT	¼, ½, 1
27111	Internet of Things Fundamentals	½ or 1	27111	Internet of Things Fundamentals	½ or 1	27102	Computer Software Application	½, 1, 2	27120	Intro to Programming Languages	½ or 1
27219	Computer Hardware and Operating Systems (A+)	½, 1, 2	27219	Computer Hardware and Operating Systems (A+)	½, 1, 2	27128	Mobile Applications Development	½, 1	27122	Programming Essentials	½ or 1
27220	IT Essentials 2	½ or 1	27220	IT Essentials 2	½ or 1	27130	Computer Gaming and Design	½ or 1	27123	Programming Essentials: Python	½ or 1
27265	Introduction to Networking	½ or 1	27265	Introduction to Networking	½ or 1	27170	Introduction to Web Design	½ or 1	27124	Programming Essentials: C++	½ or 1
27266	CCNA Introduction to Networks	½ or 1	27266	CCNA Introduction to Networks	½ or 1	27280	Introduction to Cybersecurity	½ or 1	27125	Fundamentals of JAVA Programming	½ or 1
27267	CCNA Routing & Switching Essentials	½ or 1	27280	Introduction to Cybersecurity	½ or 1	27400	Geographic Info Systems (GIS)	½ or 1	27127	Advanced JAVA Programming	½ or 1
27268	CCNA Scaling Networks	½ or 1	27300	Essentials of Desktop Operating Systems	½ or 1	27995	IT Internship	½ to 4	27128	Mobile Applications Development	½ or 1
27269	CCNA Connecting Networks	½ or 1	27305	Essentials of Desktop Operating Systems – Linux	½ or 1	27999	Cooperative Work Experience	½ to 2	27130	Computer Gaming and Design	½ or 1
27280	Introduction to Cybersecurity	½ or 1	27400	Geographic Info Systems (GIS)	½ or 1				27170	Introduction to Web Design	½ or 1
27305	Essentials of Desktop Operating Systems – Linux	½ or 1	27995	IT Internship	½ to 4				27280	Introduction to Cybersecurity	½ or 1
27310	Essentials of Network Operating Systems	½ or 1	27999	Cooperative Work Experience	½ to 2				27500	Data Modeling & SQL	½ or 1
27995	IT Internship	½ to 4	51012	Governor's School: Information Technology	½				27510	CTE AP CS Principles	½ or 1
27999	Cooperative Work Experience	½ to 2							27520	CTE AP CS A	½ or 1
51012	Governor's School: Information Technology	½							27995	IT Internship	½ to 4
									27999	Cooperative Work Experience	½ to 2
									51012	Governor's School: Information Technology	½
Must complete at least 2 credits			Must complete at least 2 credits			Must complete at least 2 credits					