



# INFORMATION TECHNOLOGY NETWORKING

## Program of Study

**Career Cluster: Information Technology**

**Career Pathway: Network Systems**

This Academic Plan is based upon the state requirements needed for a College and Career Ready (CCR) Diploma.  
Academic course names may vary among school districts.

Grade	1 <sup>st</sup> Course	2 <sup>nd</sup> Course	3 <sup>rd</sup> Course	4 <sup>th</sup> Course	5 <sup>th</sup> Course	6 <sup>th</sup> Course (CTE)
9 <sup>th</sup> Grade	English I	Algebra I	Biology	Health / Computer Literacy	Physical Education	CISCO-IT Essentials / Intro to Cybersecurity
10 <sup>th</sup> Grade	English II	Geometry	Chemistry or Geoscience	World History	Physical Education	CISCO-CCNA I Intro to Networking
11 <sup>th</sup> Grade	English III	Algebra II	Science Course or Elective <sup>1</sup>	US History	Foreign Language <sup>2</sup> or Elective <sup>1</sup>	CISCO-CCNA II Routing and Switching Essentials <sup>3</sup>
12 <sup>th</sup> Grade	English IV	Senior Level Math Course	Elective <sup>1</sup>	US Government	Foreign Language <sup>2</sup> or Elective <sup>1</sup>	IT Networking Advanced Studies

<sup>1</sup> Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

<sup>2</sup> Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

<sup>3</sup> CTE Assessments will be administered during the completion level CTE course.

Career and Technical Student Organizations	Work-based Learning	CTE Assessments
FBLA / SkillsUSA	Job Shadowing / Internship / Work Experience / Career Days / Career Fairs / Field Trips / Guest Speakers	1) End of Program Technical Assessment for Information Technology Networking 2) Workplace Readiness Skills Assessment (for Employability Skills Standards)

Postsecondary Options	State Articulation Agreements for CTE College Credit								
College of Southern Nevada / Great Basin College / Nevada State College / Truckee Meadows Community College / University of Nevada, Las Vegas / University of Nevada, Reno / Western Nevada College	<p><b>Secondary Program Requirements</b> Student must earn the state Certificate of Skill Attainment in Information Technology Networking.</p> <p><b>Postsecondary Credit Options</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">College of Southern Nevada</td> <td style="width: 16.5%;">16 Credits</td> <td style="width: 33%;">Truckee Meadows Community College</td> <td style="width: 16.5%;">13 Credits</td> </tr> <tr> <td>Great Basin College</td> <td>9 Credits</td> <td>Western Nevada College</td> <td>8 Credits</td> </tr> </table>	College of Southern Nevada	16 Credits	Truckee Meadows Community College	13 Credits	Great Basin College	9 Credits	Western Nevada College	8 Credits
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High Wage - High Skill - High Demand Careers	State Recognized Industry Certifications
Network Administrator / Network Technician / Information Systems Administrator / Technical Support Specialist / Network Architect / Security Analyst	Refer to the Governor's Office of Workforce Innovation's <a href="#">Nevada Eligible Industry Credentialing List</a>