|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Information Technology recommended Scope & Sequence in Ordered Pathways by Cluster** | | | | | | | | | | |
| **State Approved Options** | **PATHWAY I: Networking** | | | **PATHWAY II:**  **Program & Software Development** | | **PATHWAY III:**  **Web & Digital Communications** | | | **PATHWAY IV:**  **Information Support Services** | |
| Cluster of Concentration:  **Course Title**  (Code) | Foundational(Required for all students)  **Workplace Technology Skills**  (10004) | | | | | | | | | |
| Cluster of Concentration:  **Course Title**  (Code) | Information Technology(Required for all IT Pathways)  **Introduction to Information Technology**  (10009) | | | | | | | | | |
| Cluster of Concentration:  **Course Title**  (Code) | Information Technology  **Computer Hardware**  (10254) | | | Information Technology  **Visual Basic Programming**  (10153) | | Information Technology; Arts & Audio Visual Technology & Communications  **Computer Graphics**  (10202) | | | **Information Technology**  **Computer Hardware**  (10254) | |
| Cluster of Concentration:  **Course Title**  (Code) | Information Technology  **Operating Systems**  (10253) | | | Information Technology  **Computer Programming**  (10152) | | Information Technology; Arts & Audio Visual Technology & Communications; Business Management & Administration; Marketing, Sales & Service  **Web Publishing & Design**  (10201) | | | Information Technology  **Operating Systems**  (10253) | |
| Cluster of Concentration:  **Course Title**  (Code) | Information Technology; Arts & Audio Visual Technology & Communications  **Networking Technology**  (10101) | | | Information Technology  **Web Programming**  (10161)  \*Also requires Web Pub & Design | Information Technology  **C++ Programming**  (10154) | Information Technology  **Web Programming**  (10161) | Information Technology; Arts & Audio Visual Technology & Communications; Business Management & Administration; Marketing, Sales & Service  **Multi-Media Design**  (10203) | | **Information Technology**  **Web Programming**  (10161)  \*Also requires Web Pub & Design | **Information Technology; Arts & Audio Visual Technology & Communications**  **Networking Technology**  (10101) |
| Additional Miscellaneous Courses in various pathways with specific clusters | | | | | | | | | | |
| Cluster of Concentration:  **Course Title**  (Code) | **Arts & Audio Visual Technology & Communications**  **Audio-Visual Production**  (11051)  \*Must have taken Multimedia Design | | | | | | | | | |
| Courses Not Offered at this time | | | | | | | | | | |
| Cluster of Concentration:  **Course Title**  (Code) | | Information Technology; Arts & Audio Visual Technology & Communications  **Networking Systems**  (10102) |  | | |  | | Information Technology; Arts & Audio Visual Technology & Communications  **Networking Systems**  (10102) | | |
| Cluster of Concentration:  **Course Title**  (Code) | |  | Information Technology  **Java Programming**  (10155) | | |  | |  | | |
| Cluster of Concentration:  **Course Title**  (Code) | |  | Information Technology  **Information Systems & Analysis**  (10151) | | |  | | Information Technology  **Information Systems & Analysis**  (10151) | | |
| Cluster of Concentration:  **Course Title**  (Code) | | Information Technology  **Cabling**  (10112) | Information Technology  **Cabling**  (10112) | | |  | |  | | |
| Cluster of Concentration:  **Course Title**  (Code) | |  | Information Technology; Business Management & Administration;  **Database Programming**  (10053) | | |  | | Information Technology; Business Management & Administration;  **Database Programming**  (10053) | | |
| Cluster of Concentration:  **Course Title**  (Code) | |  |  | | | Information Technology; Arts & Audio Visual Technology & Communications; Business Management & Administration; Marketing, Sales & Service  **Desktop Publishing**  (11152) | |  | | |
| Cluster of Concentration:  **Course Title**  (Code) | | Information Technology; Marketing & Architecture; STEM  **Electronics**  (17106) |  | | |  | | Information Technology; Marketing & Architecture; STEM  **Electronics**  (17106) | | |
| Courses Not Offerred at this time. | | | | | | | | | | |
| Cluster of Concentration:  **Course Title**  (Code) | | Arts & Audio Visual Technology & Communications  **Commercial Graphic Design**  (11154) | | | | | | | | |
| Cluster of Concentration:  **Course Title**  (Code) | | Arts & Audio Visual Technology & Communications  **Digital Animation**  (10205) | | | | | | | | |