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| **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) |