

Information Technologies
Prerequisites
2026 - 2027 Academic Year

| COURSE | Title | State & Local Prereqs | Semester Offered |
|---------|--------------------------------------|---|------------------|
| BAS-120 | Intro to Analytics | State Prereqs - None Local Prereqs - Take One: ENG-002,ENG-025; Take One: MAT-003, MAT-025, MAT-035, MAT-110 | FA, SP, SU |
| BAS-121 | Data Visualization | State Prereqs - BAS-120 | FA, SP, SU |
| BAS-150 | Intro to Analytical Program. | State Prereqs - None Local Prereqs - Take One: ENG-002 or ENG-025; Take One: MAT-003, MAT-025, MAT-035 or MAT-110 | FA, SP |
| BAS-220 | Appl. Analytical Program. | State Prereqs - BAS-150 Local Prereqs: None | FA, SP |
| BAS-221 | Intro to Predictive Analytics | State Prereqs - BAS-121 and BAS-220 | FA, SP |
| BAS-230 | Applied Predictive Modeling | State Prereqs - BAS-221 | FA, SP |
| BAS-240 | Data Structures for Analytics | State Prereqs - BAS-121 and BAS-220 | FA, SP |
| BAS-250 | Analytical Tools and Methods | State Prereqs - BAS-240 Local Prereqs - BAS-230 | FA, SP |
| BAS-270 | Adv Analytical Tools & Methods | State Prereqs - BAS-221 and BAS-240 and BAS-250 | FA, SP |
| CCT-121 | Computer Crime Invest. | State Prereqs - None Local Prereqs - NOS-110 and CTI-120 (Effective 2025SP) | FA |
| CCT-240 | Data Recovery Techniques | State Prereqs - None Local Prereqs - CCT-121 | SP |
| CCT-250 | Network Vulnerabilities I | State Prereqs - None Local Prereqs - NOS-120 and NOS-130 | FA |
| CCT-251 | Network Vulnerabilities II | State Prereqs - CCT-250 | SP |
| CCT-280 | Cloud Penetration Testing | State Prereqs: None Local Prereqs: CSC-227 | FA |
| CIS-110 | Introduction to Computers | State Prereqs - None | FA, SP, SU |
| CIS-115 | Intro to Prog & Logic | State Prereqs - Take One Set: Set 1: DMA-010, DMA-020, DMA-030, and DMA-040 Set 2: DMA-025 and DMA-040 Set 3: MAT-121 Set 4: MAT-171 Set 5: MAT-003 Set 6: BSP-4003 Set 7: MAT 025 or 035 Set 8: MAT 143 | FA, SP |
| CSC-114 | Artificial Intelligence I | State Prereq: None Local Prereqs: CSC-121 (Effective 2025SP) | SP, FA |
| CSC-120 | Computing Fundamentals I | State Prereqs-TAKE ONE SET: Set 1: DMA-010, DMA-020, DMA-030, DMA-040, and DMA-050 Set 2: DMA-010, DMA-020 DMA-030 and DMA-045 Set 3: DMA-025, DMA-040 and DMA-050 Set 4: DMA-025 and DMA-045 Set 5: MAT-121 Set 6: MAT-143 Set 6: MAT-171 Set 7: MAT-025 or MAT-035 Set 8: MAT-003 Set 9: BSP-4003 | FA, SP, SU |
| CSC-121 | Python Programming | State Prereqs - None Local Prereqs - CTI-110 or CSC-120 | FA, SP, SU |
| CSC-122 | Python Application Development | State Prereqs - None Local Prereqs - CSC-121 | FA, SP |
| CSC-124 | Intro to Data Science Prog. | State Prereqs - None Local Prereqs - CTI-110 | FA |
| CSC-133 | Artificial Intelligence Fundamentals | State Prereqs - None Local Prereqs - None | SP, FA |
| CSC-134 | C++ Programming | State Prereqs - None Local Prereqs - Take MAT-045A or MAT-045P or MAT-121 or MAT-143 or MAT-152 or MAT-171 or MAT-271 or MAT-252 | FA, SP, SU |

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| CSC-151 | JAVA Programming | State Prereqs - None Local Prereqs - Take MAT-045A or MAT-045P or MAT-121 or MAT-143 or MAT-152 or MAT-171 or MAT-271 and Take One Set: Set 1: DMA-010, DMA-020, DMA-030, DMA-040, and DMA-050 Set 2: DMA-010, DMA-020 DMA-030 and DMA-045 Set 3: DMA-025, DMA-040 and DMA-050 Set 4: DMA-025 and DMA-045 Set 5: MAT-121 Set 6: MAT-171 Set 7: MAT-003 or MAT-025 or MAT-035 or MAT-110 Set 8: BSP-4003 | FA, SP, SU |
| CSC-154 | Software Development | State Prereqs - None Local Prereqs - DBA-120 and 1 of the following: CSC-134 or CSC-151 or CSC-121 | SP, FA |
| CSC-221 | Advanced Python Programming | State Prereqs - CSC-121 | FA, SP |
| CSC-227 | Cloud Application Development | State Prereqs - None Local Prereqs - CTI-110 and one of the following: CSC-151 or CSC-121 | FA, SP, SU |
| CSC-234 | Advanced C++ Programming | State Prereqs - CSC-134 | FA, SP |
| CSC-249 | Data Structure & Algorithms | State Prereqs - None Local Prereqs - CSC-121 or CSC-134 or CSC-151 | SP, SU, FA |
| CSC-251 | Advanced JAVA Programming | State Prereqs - CSC-151 | FA, SP, SU |
| CSC-256 | Software Quality Assurance | State Prereqs - None Local Prereqs - CSC-121 | FA, SP |
| CSC-289 | Programming Capstone Project | State Prereqs - CTI-110 and CTI-120 and CTS-115 Local Prereqs - (CSC-154) and (CSC-121 or CSC-134 or CSC-151) Pre- or co-req - (CSC-256 or BAS-220) and (CSC-221 or CSC-234 or CSC-251) | SP, FA |
| CTI-110 | IT Foundations | State Prereqs - None Local Prereqs - (ENG-002 or ENG-025) and (MAT-003 or MAT-025 or MAT-035 or MAT-110) | FA, SP, SU |
| CTI-120 | Network & Sec Foundation | State Prereqs - None | FA, SP, SU |
| CTI-140 | Virtualization Concepts | State Prereqs - None Local Prereqs - NOS-110 | FA, SP, SU |
| CTI-141 | Cloud & Storage Concepts | State Prereqs - None Local Prereqs - None | FA, SP |
| CTI-240 | Virtualization Admin I | State Prereqs - None Local Prereqs - CTI-140 | FA |
| CTI-241 | Virtualization Admin II | State Prereqs - None Local Prereqs - CTI-240 | SP |
| CTI-260 | Data Center Troubleshooting | State Prereqs - None Local Prereqs - CTI-240 and NET-126 | SP |
| CTI-289 | CTI Capstone Project | State Prereqs - Take all CTI-110, CTI-120 and CTS-115 Local Prereqs - NOS-110 | SU |
| CTS-115 | Info Sys Business Concepts | State Prereqs - None Local Prereqs - ENG-025 or ENG-111 | FA, SP, SU |
| CTS-120 | Hardware/Software Support | State Prereqs - None Local Prereqs - ENG-025 or ENG-111 | FA, SP |
| CTS-130 | Spreadsheet | State Prereqs - None | FA, SP, SU |
| CTS-155 | Tech Support Functions | State Prereqs - None | FA, SP |
| CTS-220 | Adv Hard/Software Support | State Prereqs - CTS-120 | FA, SP |
| CTS-225 | Spreadsheet Data Analysis | State Prereqs - None Local Prereqs - BAS-120 | SP |
| CTS-230 | Advanced Spreadsheet | State Prereq: CTS-130 | FA, SP |
| CTS-255 | Adv Tech Support Functions | State Prereq - CTS-155 | FA, SP |
| CTS-272 | Desktop Support: Apps | State Prereqs - None Local Prereqs -NOS-130 | FA, SP |
| CTS-285 | Systems Analysis & Design | State Prereqs - None | FA, SP, SU |
| CTS-288 | Professional Practices in IT | State Prereqs - None | FA, SP, SU |
| CTS-289 | System Support Project | State Prereqs - CTI-110 and CTI-120 and CTS-115 Local Prereqs - NOS-110 | SP |

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| COURSE | Title | State & Local Prereqs | Semester Offered |
|---------|--------------------------------|--|------------------|
| DBA-120 | Database Programming I | State Prereqs - None Local Prereqs - CTI-110 or CIS-115 | FA, SP, SU |
| DBA-130 | Intro to noSQL Databases | State Prereqs - None Local Prereqs - DBA-120 or BAS-240 | SP |
| DBA-240 | Database Analysis/Design | State Prereqs - None Local Prereqs - DBA-120 | FA, SP |
| DME-115 | Digital Media Tools | State Prereqs - None Local Prereqs - ENG-002 or ENG-025 or ENG-111 | FA |
| DME-125 | User Experience Fundamentals | State Prerequisites - None Local Prerequisites -MAT-003 or MAT 025 or MAT 035 and ENG-002 or ENG 025 or ENG 111 | FA, SP |
| DME-140 | Intro to Audio/Video Media | State Prereqs - None Local Prereqs - DME-115 or GRD 154 | FA, SP |
| DME-211 | User Experience Res & Test | State Prereqs - None Local Prereqs - DME-125 | SP |
| DME-216 | Visual Artifacts in User Exp. | State Prereqs - None Local Prereqs - DME-125 and DME-115 or GRD-152 or GRD 154 | SU |
| ENG-111 | Writing and Inquiry | State Prereqs - Take One Set: #1: DRE-097; # 2: ENG-002; #3: BSP-4002 - Co-requisite: Take ENG-011 | FA, SP, SU |
| GRD-110 | Typography I | State Prereqs - None Local Prereqs - MAT-003 or MAT 025 or MAT 035 and ENG-002 or ENG 025 or ENG 111 | FA, SP |
| GRD-141 | Graphic Design I | State Prereqs - None Local Prereqs - ENG-002 or ENG-111 or ENG-025 | FA, SP, SU |
| GRD-142 | Graphic Design II | State Prereqs - ART-121 or GRD-141 Local Prereqs - GRD 155 and GRD 154 Take GRD 110 previously or concurrently. | FA, SP, SU |
| GRD-145 | Design Applications I | State Prereqs - None - State Coreq: GRD-141 Local Prereqs - GRD 155 and previously or concurrently GRD-152 or GRD 154 | FA, SP |
| GRD-146 | Design Applications II | State Prereqs - None - State Coreq: GRD-142 Local Prereqs - None | FA, SP |
| GRD-151 | Computer Design Basics | State Prereqs - None Local Prereqs - ENG-002 or ENG-111 or ENG-025 | FA, SP |
| GRD-154 | Vector Imaging Software | State Prereqs - None Local Prereqs - ENG-002 or ENG 025 or ENG-111 | FA, SP |
| GRD-155 | Publication Design | State Prereqs - None Local Prereqs - ENG-002 or ENG 025 or ENG-111 | FA, SP |
| GRD-182 | Digital and Print Marketing | State Prereqs: None Local Prereqs: GRD-141 | FA, SP |
| GRD-183 | Concept, Design, and Process | State Prerequisite: None Local Prerequisite: GRD-142 | SP, SU |
| GRD-240 | User Interface/User Experience | State Prereqs - None Local Prereqs - DME-125 | FA, SP |
| GRD-241 | Graphic Design III | State Prereqs - GRD-142 Local Prereqs - None | FA, SP |
| GRD-246 | Design Applications III | State Prereqs - None - State Co-reqs - GRD-241 Local Prereqs - None | FA, SP |
| GRD-265 | Digital Print Production | State Prereqs - GRD-142 Local Prereqs - None | FA, SP |
| GRD-280 | Portfolio Design | State Prereqs - GRD-142 Local Prereqs - GRD-146 | SP |
| GRD-281 | Design of Advertising | State Prerequisite: GRD-142 | SP, SU |
| NET-110 | Networking Concepts | State Prereqs - None | SP |
| NET-115 | Telecom for IT Professionals | State Prereqs - None Local Prereqs - CTI-120 | FA, SU |
| NET-125 | Introduction to Networks | State Prereqs - None Local Prereqs - CTI-120 or NET-110 | SP, FA |
| NET-126 | Switching and Routing | State Prereqs - None Local Prereqs - NET-125 | SP, FA |
| NET-135 | Data Center Networking | State Prereqs - None Local Prereqs - NET-126 | SP |

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| COURSE | Title | State & Local Prereqs | Semester Offered |
|---------|----------------------------|---|------------------|
| NET-175 | Wireless Technology | State Prereqs - None Local Prereqs - CTI-120 | SP |
| NET-225 | Enterprise Networking | State Prereqs - None Local Prereqs - NET-126 | SU |
| NET-226 | Network Programmability | State Prereqs - None Local Prereqs - CSC-121 and CTI-120 and NET-125 and NOS-120 | SP |
| NET-270 | Building Scalable Networks | State Prereqs - None Local Prereqs - NET-225 | SU |
| NET-272 | Multi-Layer Networks | State Prereqs - None Local Prereqs - NET-270 | FA |
| NET-273 | Internetworking Support | State Prereqs - None Local Prereqs - NET-270 | SP |
| NET-289 | Networking Project | State Prereqs - NET-226 Local Prereqs - NET-225 and CTI-110 and CTI-120 and CTS-115 | SU |
| NOS-110 | Operating Systems Concepts | State Prereqs - None | FA, SP, SU |
| NOS-120 | Linux/UNIX Single User | State Prereqs - None Local Prereqs - NOS-110 or CTS-120 | FA, SP, SU |
| NOS-125 | Linux/Unix Scripting | State Prereqs - None Local Prereqs - NOS-120 | SU |
| NOS-130 | Windows Single User | State Prereqs - None Local Prereqs - NOS-110 | FA, SP, SU |
| NOS-220 | Linux/Unix Admin I | State Prereqs - None Local Prereqs - NOS-120 | FA, SP |
| NOS-230 | Windows Administration I | State Prereqs - None Local Prereqs - NOS-130 | FA, SP, SU |
| NOS-231 | Windows Administration II | State Prereqs - NOS-230 | FA, SP |
| NOS-232 | Windows Administration III | State Prereqs - NOS-230 | FA, SP |
| SEC-110 | Security Concepts | State Prereqs - None | FA, SP, SU |
| SEC-160 | Secure Communications | State Prereqs - None Local Prereqs - SEC-110 and NET-125 | FA, SP |
| SEC-285 | Systems Security Project | State Prereqs - CTI-110, CTI-120, and CTS-115 Local Prereqs - SEC-160 and CCT-121 | SU |
| SGD-111 | Introduction to SGD | State Prereqs - None | FA, SP, SU |
| SGD-112 | SGD Design I | State Prereqs - None Local Prereqs - SGD-113 | FA, SP |
| SGD-113 | SGD Programming I | State Prereqs - None Local Prereqs - Take one: MAT-003, MAT-035 or MAT-025 | FA, SP |
| SGD-114 | SGD 3D Modeling I | State Prereqs - None Local Prereqs - SGD-116 | FA, SP |
| SGD-116 | SGD Graphic Design Tools | State Prereqs - None Local Prereqs - None | FA, SP |
| SGD-117 | Art for Games | State Prereqs - None Local Prereq - SGD-116 | FA, SP |
| SGD-134 | SG Quality Assurance | State Prereqs - None Local Prereqs - SGD-111 | SP |
| SGD-135 | Serious Games | State Prereqs - None Local Prereqs - ENG-111 and SGD-112 and SGD-114 | FA |
| SGD-158 | SGD Business Management | State Prereqs - None Local Prereqs - ENG-111 and SGD-111 and SGD-163 | FA, SP |
| SGD-159 | SGD Production Management | State Prereqs - None Local Prereqs - SGD-111 and SGD-112 | SU |
| SGD-162 | SGD 3D Animation I | State Prereqs - None Local Prereqs - SGD-114 | FA |
| SGD-163 | SGD Documentation | State Prereqs - None Local Prereqs - Take one Set: Set 1: SGD-111 and ENG-002 Set 2: SGD-111 and ENG-025 Set 3: SGD-111 and ENG-111 | SP |
| SGD-165 | SGD Character Development | State Prereqs - None Local Prereqs - SGD-114 and SGD-117 | SP |
| SGD-166 | SGD Physiology/Kinesiology | State Prereqs - None | FA, SP |

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|---------|------------------------------|---|------------------|
| SGD-167 | SGD Ethics | State Prereqs - None Local Prereqs - SGD-111 and SGD-112 | SU |
| SGD-168 | SGD Mobile Programming I | State Prereqs - None Local Prereqs - SGD-113 | FA |
| SGD-172 | SGD Virtual Environments | State Prereqs - None Local Prereqs - SGD-114 | SP |
| SGD-174 | SGD Level Design I | State Prereqs - None Local Prereqs - SGD-112 and SGD-114 | FA |
| SGD-210 | 3D Data Capture | State Prereqs - SGD-114 Local Prereqs - SGD-162 | SP |
| SGD-212 | SGD Design II | State Prereqs - SGD-112 Local Prereqs -Take one of the following: Set 1: Art Track: SGD-112, SGD-114, SGD-117 Set 2: Programming Track: SGD-112, SGD-114, SGD-213 | FA, SP |
| SGD-213 | SGD Programming II | State Prereqs - SGD-113 or CSC-134 or CSC-151 or CSC-153 Local Prereq - SGD-113 | SP |
| SGD-214 | 3D Modeling II | State Prereqs - SGD-114 | FA, SP |
| SGD-235 | SGD Game Console Programming | State Prereqs - SGD-113 Local Co-req or Prereq - SGD-213 | FA |
| SGD-237 | Rigging 3D Models | State Prereqs - SGD-114 State Co-Reqs - SGD-162 | FA |
| SGD-239 | SGD Tech Art | State Prereqs - SGD-113 and SGD-114 | SP |
| SGD-242 | SGD Photogrammetry | State Prereqs - SGD-114 | FA |
| SGD-262 | SGD 3D Animation II | State Prereqs - SGD-162 | SP |
| SGD-268 | SGD Mobile Programming II | State Prereqs - SGD-168 | SP |
| SGD-274 | SGD Level Design II | State Prereqs - SGD-174 | SP |
| SGD-285 | SGD Software Engineering | State Prereqs - SGD-212 or SGD-213 or SGD-214 Local Co-req or Prereq - SGD-212 Local Prereqs - SGD-213 | SP |
| SGD-288 | SGD Portfolio Design | State Prereqs - None State Co-Reqs - SGD-212 or SGD-213 or SGD-214 Local Prereq - SGD-214 or SGD-285 | SP |
| SGD-289 | SGD Project | State Prereqs - SGD-212, SGD-213, SGD-214, or SGD- 285 Local Prerequisites - TAKE ONE SET: Set 1: Art Track: SGD-212, SGD-174, SGD-134, SGD-214, SGD-162 and SGD-172 Set 2: Art Track: SGD-212, SGD-174, SGD-134, SGD-214, SGD-162 and SGD-165 Set 3: Programming Track: SGD-212, SGD-174, SGD-134, SGD-235 and SGD-285 | SU |
| WEB-110 | Web Development Fundamentals | State Prereqs - None Local Prereqs - MAT-003 or MAT 025 or MAT 035 or MAT 110 and ENG-002 or ENG 025 or ENG 111 | FA, SP |
| WEB-115 | Web Markup and Scripting | State Prereqs - None Local Prereqs - WEB-110 or CTI-110 | FA, SP, SU |
| WEB-125 | Responsive Web Frameworks | State Prereqs - None Local Prereqs - WEB-115 (Effective 2025SP) | FA, SP |
| WEB-140 | Web Development Tools | State Prereqs - None Local Prereqs - MAT-003 or MAT 025 or MAT 035 or MAT 110 and ENG-002 or ENG 025 or ENG 111 | FA, SP, SU |
| WEB-180 | Active Server Pages | State Prereqs - None Local Prereqs - CIS-115 | FA |
| WEB-182 | PHP Programming | State Prereqs - None Local Prereqs - WEB-110 | FA |
| WEB-210 | Web Design | State Prereqs - None Local Prereqs - WEB-110 or WEB-140 | FA, SP |
| WEB-213 | Internet Mkt & Analytics | State Prereqs - None Local Prereqs - WEB-110 | SP |
| WEB-214 | Social Media | State Prereqs - None Local Prereqs - ENG-111 | SP, SU |
| WEB-215 | Adv Markup and Scripting | State Prereqs - WEB-115 Local Prereqs - WEB-125 | SU |

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| WEB-225 | Content Management Sys | State Prereqs - None Local Prereqs - WEB-110 | SP |
| WEB-250 | Database Driven Websites | State Prereqs - None Local Prereqs - DBA-120 and WEB-110 | FA |
| WEB-260 | E-Commerce Infrastructure | State Prereqs - None Local Prereqs - WEB-250 | SP |
| WEB-287 | Web E-Portfolio | State Prereqs - None Local Prereqs - WEB-210 and WEB-115 | SP |
| WEB-289 | Web Dev Capstone Project | State Prereqs - None Local Prereqs - GRD-240; Take DME-211 previously or concurrently | SP |