

IT Division - Required Prerequisites
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| COURSE | Title | State & Local Prereqs | Semester Offered |
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| BAS-120 | Intro to Analytics | State Prereqs - None Local Prereqs - TAKE ONE SET: SET 1: DRE-097 and DRE-098 and DMA-010 and DMA-020 and DMA-030 and DMA-040 and DMA-050 SET 2: ENG-002 and MAT-003 | 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 SET: SET 1: DRE 097 and DRE-098 and DMA 010 and DMA 020 and DMA 030 and DMA 040 and DMA-050 SET 2: ENG-002 and MAT-003 | FA, SP |
| BAS-220 | Appl. Analytical Program. | State Prereqs - BAS-150 | FA, SP, SU |
| 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 NET-125 | 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-130 Local co-req or Prereq - NOS-125 | FA |
| CCT-251 | Network Vulnerabilities II | State Prereqs - CCT-250 | SP |
| 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 | FA, SP |
| CSC-114 | Artificial Intelligence I | State Prereq: None Local Prereqs: CSC-121 | SP |
| 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-171 Set 7: MAT-003 Set 8: BSP-4003 | FA, SP, SU |
| CSC-121 | Python Programming | State Prereqs - None Local Prereqs - CTI-110 | FA, SP, SU |
| CSC-122 | Python Application Development | State Prereqs - None Local Prereqs - CSC-121 | SP |
| CSC-124 | Intro to Data Science Prog. | State Prereqs - None Local Prereqs - CTI-110 | FA |

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| CSC-130 | Computing Fundamentals II | State Prereqs - CSC-120 | SP |
| CSC-134 | C++ Programming | State Prereqs - None Local Prereqs - MAT-121 or MAT-143 or MAT-152 or MAT-171 or MAT-271 or MAT-252 | FA, SP, SU |
| CSC-151 | JAVA Programming | State Prereqs - None Local 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-171 Set 7: MAT-003 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 | 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 NOS-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-120 and CSC-121 | 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 |
| CSC-289 | Programming Capstone Project | State Prereqs - CTI-110, CTI-120, and CTS-115 Local Prereqs - CSC-154 and CSC-256 or DBA-240; and one of the following: CSC-122 or CSC-234 or CSC-239 or CSC-251 or CSC-253 or CSC-221 or CSC-256 or DBA-240 | SP |
| CTI-110 | Web, Pgm, & Db Foundation | State Prereqs - None Local Prereqs - ENG-002 and MAT-003 | FA, SP, SU |
| CTI-120 | Network & Sec Foundation | State Prereqs - None | FA, SP, SU |
| CTI-140 | Virtualization Concepts | State Prereqs - None Local Prereqs - CTI-130 or 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 |
| CTS-115 | Info Sys Business Concepts | State Prereqs - None Local Prereqs - ENG-002 or ENG-111 | FA, SP, SU |
| CTS-118 | IS Professional Comm | State Prereqs - None | FA, SP DISCONTINUED SP23 |
| CTS-120 | Hardware/Software Support | State Prereqs - None | 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 |

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| 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 | SP |
| 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 | SP |
| DBA-240 | Database Analysis/Design | State Prereqs - None Local Prereqs - DBA-120 | FA, SP |
| DME-115 | Graphic Design Tools | State Prereqs - None Local Prereqs - ENG-002 or ENG-111 | FA |
| DME-125 | User Experience Fundamentals | State Prerequisites - None Local Prerequisites - MAT-003 and ENG-002 or ENG 111 | FA, SP |
| DME-140 | Intro to Audio/Video Media | State Prereqs - None Local Prereqs - GRD-152 or DME-115 | FA, SP |
| DME-211 | User Experience Res & Test | State Prereqs - None Local Prereqs - DME-125 | SP |
| DME-215 | Adv Graphic Design Tools | State Prereqs - DME-115 | SP |
| DME-216 | Visual Artifacts in User Exp. | State Prereqs - None Local Prereqs - DME-115 and DME-125 or GRD-152 | SU |
| GRD-110 | Typography I | State Prereqs - None Local Prereqs - MAT-003 and ENG-002 or ENG 111 | FA, SP |
| GRD-121 | Drawing Fundamentals I | State Prereqs - None Local Prereqs - ENG-002 or ENG-111 | FA, SP, SU |
| GRD-141 | Graphic Design I | State Prereqs - None Local Prereqs - ENG-002 or ENG-111 | FA, SP, SU |
| GRD-142 | Graphic Design II | State Prereqs -ART-121 or DES-135 or GRD-141 Local Prereqs - GRD-110 and previously or concurrently GRD-152 | FA, SP, SU |
| GRD-145 | Design Applications I | State Prereqs - None - State Coreq: GRD-141 Local Prereqs - GRD-110 and previously or concurrently GRD-152 | FA, SP |
| GRD-146 | Design Applications II | State Prereqs - None - State Coreq: GRD-142 Local Prereqs - GRD-152 and previously or concurrently GRD-142 | FA, SP |
| GRD-151 | Computer Design Basics | State Prereqs - None Local Prereqs - ENG-002 or ENG-111 | FA, SP, SU |
| GRD-152 | Computer Design Tech I | State Prereqs - GRD-151 Local Prereqs - MAT-003 | FA, SP |
| GRD-167 | Photographic Imaging I | State Prereqs - None | FA, SP |
| GRD-230 | Technical Illustration | State Prereqs - ART-131 or DES-125 or GRD-121 Local Prereqs - GRD-152 | FA, SP |
| GRD-240 | User Interface/User Experience | State Prereqs - None Local Prereqs - DME-125 | FA, SP |
| GRD-241 | Graphic Design III | State Prereqs - DES-136 or GRD-142 Local Prereqs -GRD-152 | FA, SP |
| GRD-246 | Design Applications III | State Prereqs - None - State Co-reqs - GRD-241 Local Prereqs - GRD-110 and GRD-152 | FA, SP |

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| GRD-265 | Digital Print Production | State Prereqs - GRD-151 or GRA-151 Local Prereqs - GRD-142 and GRD-152 | FA, SP |
| GRD-280 | Portfolio Design | State Prereqs - GRD-142 and GRD-152 Local Prereqs - GRD-146 and WEB-140 | SP |
| GRD-282 | Advertising Copywriting | State Prereqs - ENG-110 or ENG-111 Local Prereqs - GRD-142 | SP |
| GRD-285 | Client/Media Relations | State Prereqs - TAKE ONE SET: Set 1: GRD-142 and GRA-121 Set 2: GRD-142 and GRA-152 Set 3: GRD-142 and GRD-152 | SP |
| HMT-110 | Intro to Healthcare Mgt | State Prereqs - None Local Prereqs - DRE-097 or ENG-002 or ENG-111 | FA |
| HMT-211 | Long-Term Care Admin | State Prereqs - None Local Prereqs - HMT-110 | SP |
| HMT-212 | Mgt of Healthcare Org | State Prereqs - None | SP |
| 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 |
| 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 | 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 |
| OMT-154 | Customer Satisfaction | State Prereqs - None | FA, SP DISCONTINUED SP23 |
| OST-080 | Keyboarding Literacy | State Prereqs - None | FA, SP, SU |
| OST-122 | Office Computations | State Prereqs - None | FA, SU |

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| OST-134 | Text Entry & Formatting | State Prereqs - None Local Prereqs - OST-080 or OST-130 or OST-131 or OST-132 | FA, SP |
| OST-135 | Adv Text Entry & Format | State Prereqs - OST-134 | FA, SP |
| OST-136 | Word Processing | State Prereqs - None | FA, SP |
| OST-137 | Office Applications I | State Prereqs - None | FA, SP, SU |
| OST-138 | Advanced Software Appl | State Prereqs - OST-137, CIS-110, or CIS-111 | FA |
| OST-141 | Med Office Terms I | State Prereqs - None Local Prereqs - DRE-097 or ENG-002 or ENG-111 | FA |
| OST-142 | Med Office Terms II | State Prereqs - MED-121 or OST-141 | SP |
| OST-145 | Social Media for Office Prof | State Prereqs - CIS-110, CIS-111, or OST-137 | FA, SP |
| OST-148 | Med Ins & Billing | State Prereqs - None Local Prereqs - DRE-097 or ENG-002 or ENG-111 | FA |
| OST-149 | Medical Legal Issues | State Prereqs - None Local Prereqs - DRE-097 or ENG-002 or ENG-111 | SP |
| OST-153 | Office Finance Solutions | State Prereqs - CIS-110 or CIS-111 or OST-137 | SP |
| OST-155 | Legal Terminology | State Prereqs - None | FA |
| OST-156 | Legal Office Procedures | State Prereqs - OST-134 Local Prereqs - OST-155 | SP |
| OST-164 | Office Editing | State Prereqs - None Local Prereqs - DRE-097 or ENG-002 or ENG-111 | FA, SP |
| OST-165 | Adv Office Editing | State Prereqs - OST-164 | SP |
| OST-171 | Intro to Virtual Office | State Prereqs - None | FA, SP |
| OST-181 | Office Procedures | State Prereqs - None | FA, SP |
| OST-236 | Adv Word Processing | State Prereqs - OST-136 | FA, SP |
| OST-243 | Med Office Simulation | State Prereqs - OST-148 | SP |
| OST-247 | Procedure Coding | State Prereqs - MED-121 or OST-141 Local Prereqs - TAKE ONE SET: SET 1: OST-141 and OST-148 SET 2: MED-121 and OST-148 SET 3: OST- 141 and HMT-210 SET 4: MED-121 and HMT-210 | SU |
| OST-248 | Diagnostic Coding | State Prereqs - MED-121 or OST-141 | SU |
| OST-249 | Med Coding Certification Prep | State Prereqs - OST-247 and OST-248 | FA |
| OST-260 | Adv Coding Methodologies | State Prereqs - OST-247 and OST-248 | SP |
| OST-286 | Professional Development | State Prereqs - None Local Prereqs - OST-134 or OST-136 | FA, SP |
| OST-288 | Medical Office Admin Capstone | State Prereqs - OST-148 or HMT-210 Local Prereqs - OST-164 and OST-137 or CIS-110 | SP |
| OST-289 | Office Admin Capstone | State Prereqs - TAKE ONE SET: Set 1: OST-134 and OST-164 Set 2: OST-136 and OST-164 Local Prereqs - TAKE: OST-138 and CTS-130 | SP |
| SEC-110 | Security Concepts | State Prereqs - None | FA, SP, SU |
| SEC-160 | Secure Communications | State Prereqs - None Local Prereqs - SEC-110 and NET-126 | FA, SP |
| SEC-285 | Systems Security Project | State Prereqs - CTI-110, CTI-120, and CTS-115 Local Prereqs - CCT-240 and CCT-251 and SEC-160 | SU |
| SGD-111 | Introduction to SGD | State Prereqs - None | FA, SP, SU |
| SGD-112 | SGD Design I | State Prereqs - None Local Prereqs - SGD-113 | SP |

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| SGD-113 | SGD Programming I | State Prereqs - None Local Prereqs - MAT-003 and ENG-002 or ENG-111 | FA, SP |
| SGD-114 | SGD 3D Modeling I | State Prereqs - None Local Prereqs - SGD-116 | FA, SP, SU |
| SGD-116 | SGD Graphic Design Tools | State Prereqs - None Local Prereqs - ENG-002 or ENG-111 | FA, SP, SU |
| SGD-117 | Art for Games | State Prereqs - None Local Co-req or Prereq - SGD-116 | FA, SP |
| SGD-134 | SG Quality Assurance | State Prereqs - None Local Prereqs - SGD-112 | SP |
| SGD-135 | Serious Games | State Prereqs - None Local Prereqs - ENG-111 and SGD-112 and SGD-116 | FA |
| SGD-158 | SGD Business Management | State Prereqs - None Local Prereqs - ENG-111 and SGD-111 and SGD-112 | FA, SP |
| SGD-159 | SGD Production Management | State Prereqs - None Local Prereqs - SGD-111 | SU |
| SGD-162 | SGD 3D Animation I | State Prereqs - None Local Prereqs - SGD-114 | FA |
| SGD-163 | SGD Documentation | State Prereqs - None Local Prereqs - SGD-111 and ENG-002 or ENG-111 | SP |
| SGD-165 | SGD Character Development | State Prereqs - None Local Prereqs - SGD-117 | SP |
| SGD-166 | SGD Physiology/Kinesis | State Prereqs - None | FA, SP |
| SGD-167 | SGD Ethics | State Prereqs - None Local Prereqs - ENG-111 and SGD-111 | 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-113 and SGD-114 | FA, SP |
| SGD-174 | SGD Level Design I | State Prereqs - None Local Prereqs - SGD-114 | FA |
| SGD-180 | SGD HTML Programming I | State Prereqs - None Local Prereqs - SGD-113 | FA |
| SGD-210 | 3D Data Capture | State Prereqs - SGD-114 Local Prereqs - SGD-162 | FA, SP |
| SGD-212 | SGD Design II | State Prereqs - SGD-112 Local Prereqs - SGD-113 and SGD-116 | 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-174 | 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, SP |
| 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 Prereqs - SGD-212 and SGD-213 | SP |

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| SGD-288 | SGD Portfolio Design | State Prereqs - None State Co-Reqs - SGD-212 or SGD-213 or SGD-214 Local Prereq - SGD-162 or SGD-285 | SP |
| SGD-289 | SGD Project | State Prereqs - SGD-212, SGD-213, SGD-214, or SGD-285 Local Prereqs: Take one Set: Set 1: Art Track: SGD-212, SGD-163, SGD-174, SGD-134 and SGD-172 or SGD-165 Set 2: Programming Track: SGD-212, SGD-163, SGD-174, SGD-134 and SGD-285 | SU |
| WEB-110 | Web Development Fundamentals | State Prereqs - None Local Prereqs - MAT-003 and ENG-002 or ENG 111 | FA, SP, SU |
| WEB-115 | Web Markup and Scripting | State Prereqs - None Local Prereqs - WEB-110 or CTI-110 | FA, SP, SU |
| WEB-125 | Mobile Web Design | State Prereqs - None Local Prereqs - WEB-140 | FA, SP |
| WEB-140 | Web Development Tools | State Prereqs - None Local Prereqs - TAKE ONE SET: Set 1: DRE-098 and DMA-010 and DMA-020 and DMA-030 Set 2: MAT-003 and ENG-002 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 or CTI-110 | FA |
| WEB-210 | Web Design | State Prereqs - None Local Prereqs - WEB-140 | FA, SP, SU |
| WEB-213 | Internet Mkt & Analytics | State Prereqs - None Local Prereqs - WEB-140 | SP |
| WEB-214 | Social Media | State Prereqs - None Local Prereqs - ENG-111 | SP, SU |
| WEB-215 | Adv Markup and Scripting | State Prereqs - WEB-115 | SU |
| WEB-225 | Content Management Sys | State Prereqs - None Local Prereqs - WEB-182 | 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-125 | SP |
| WEB-289 | Internet Technologies Project | State Prereqs - CTI-110 and CTI-120, and CTS-115 Local Prereqs - GRD-240, DME-216 and co-req DME-211 | SP |