

Information Technology
Prerequisites
2025 - 2026 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-130 Local co-req or Prereq - NOS-125	FA
CCT-251	Network Vulnerabilities II	State Prereqs - CCT-250	SP
CCT-280	Cloud Penetration Testing	State Prereqs: None Local Prereqs: CSC-227	FA
CET-245	Internet Servers	State Prereq: None Local Prereqs: None	
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 - MAT-121 or MAT-143 or MAT-152 or MAT-171 or MAT-271 or MAT-252	FA, SP, SU

COURSE	Title	State & Local Prereqs	Semester Offered
CSC-151	JAVA Programming	State Prereqs - None Local Prereqs - Take 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 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-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
CTS-115	Info Sys Business Concepts	State Prereqs - None Local Prereqs - ENG-025 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 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
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

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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-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 - GRD-152 or DME-115 or GRD 154	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-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	
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 or GRD 152. 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 - GRD 155 Take GRD-152 or GRD 154 and GRD 110 previously or concurrently	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 and GRD-151 or GRD-154	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 - GRD-152 or GRD 154	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 and WEB-140	SP
GRD-281	Design of Advertising	State Prerequisite: GRD-142	SP, SU
HMT-110	Intro to Healthcare Mgt	State Prereqs - None Local Prereqs - DRE-097 or ENG-002 or ENG 025 or ENG-111	FA, SU
HMT-211	Long-Term Care Admin	State Prereqs - None Local Prereqs - HMT-110	SP
HMT-212	Mgt of Healthcare Org	State Prereqs - None Local Prereqs - HMT-110	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

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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
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
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-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 025 or ENG-111	FA, SP
OST-142	Med Office Terms II	State Prereqs - MED-121 or OST-141	FA, 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 025 or ENG-111	FA
OST-149	Medical Legal Issues	State Prereqs - None Local Prereqs - DRE-097 or ENG-002 or ENG 025 or ENG-111	SP
OST-153	Office Finance Solutions	State Prereqs - CIS-110 or CIS-111 or OST-137	SP
OST-164	Office Editing	State Prereqs - None Local Prereqs - DRE-097 or ENG-002 or ENG 025 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 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-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

COURSE	Title	State & Local Prereqs	Semester Offered
OST-263	Healthcare Customer Relations	State Prereqs: OST-148 or HMT-210 Local Prereqs: None	FA, 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-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	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, SU
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-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-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-117 and SGD-162	SP
SGD-166	SGD Physiology/Kinesiology	State Prereqs - None	FA, SP
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	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	SU
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-174	FA
SGD-237	Rigging 3D Models	State Prereqs - SGD-114 State Co-Reqs - SGD-162	FA

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COURSE	Title	State & Local Prereqs	Semester Offered
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 Prereqs - SGD-212 and 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-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 Set 2: Art Track: SGD-212, SGD-163, SGD-174, SGD-134 and SGD-165 Set 3: 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 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 or CTI-110	FA
WEB-210	Web Design	State Prereqs - None Local Prereqs - WEB-140	FA, SP
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 Local Prereqs - WEB-125	SU
WEB-225	Content Management Sys	State Prereqs - None Local Prereqs - WEB-140 (Effective 2025SP)	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; Take DME-211 previously or concurrently	SP