

| Course Name | Course Title                   | Semester   | Prerequisite(s)   |
|-------------|--------------------------------|------------|---|
| BAS-120     | Intro to Analytics             | FA, SP, SU | Take 1 group: Take DRE-097 DRE-098 DMA-010 DMA-020 DMA-030 DMA-040 DMA-050; Take ENG-002 MAT-003  |
| BAS-121     | Data Visualization             | FA, SP     | Take BAS-120  |
| BAS-150     | Intro to Analytical Program    | FA, SP, SU | Take 1 group: Take DRE-097 DRE-098 DMA-010 DMA-020 DMA-030 DMA-040 DMA-050; Take ENG-002 MAT-003  |
| BAS-220     | Business Analytics II          | FA, SP     | Take BAS-150  |
| BAS-221     | Analytics Methods II           | FA, SP, SU | Take BAS-121 BAS-220  |
| BAS-230     | Business Analytics III         | FA, SP     | Take BAS-221  |
| BAS-240     | Data Structures for Analytics  | FA, SP, SU | Take BAS-121 BAS-220  |
| BAS-250     | Analytical Tools and Methods   | FA, SP     | BAS-230   |
| BAS-270     | Adv Analytical Tools & Methods | FA, SP     | Take BAS-221 BAS-240 BAS-250  |
| CCT-121     | Computer Crime Invest.         | FA, SP     | Take NOS-110 and NET-125  |
| CCT-240     | Data Recovery Techniques       | FA, SP     | Take CCT-121  |
| CCT-250     | Network Vulnerabilities I      | FA, SP     | Take NOS-120 and NOS-130  |
| CCT-251     | Network Vulnerabilities II     | SP         | Take CCT-250  |
| CIS-110     | Introduction to Computers      | FA, SP, SU | None  |
| CIS-115     | Intro to Prog & Logic          | FA, SP     | Take 1 group: Take DMA-010 DMA-020 DMA-030 DMA-040; Take DMA-025 DMA-040; Take MAT-121; Take MAT-171; Take MAT-003; Take BSP-4003   |
| CSC-118     | Swift Programming I            | SP         | None  |
| CSC-120     | Computing Fundamentals I       | FA, SP, SU | Take 1 group: Take DMA-010 DMA-020 DMA-030 DMA-040 DMA-050; Take MAT-121; Take MAT-171; Take DMA-025 DMA-040 DMA-050; Take DMA-025 DMA-045; Take DMA-010 DMA-020 DMA-030 DMA-045; Take MAT-003; Take BSP-4003   |
| CSC-121     | Python Programming             | FA, SP, SU | None  |
| CSC-122     | Python Application Dev         | FA, SP     | Take CSC-121 CTI-110  |
| CSC-124     | Intro to Data Science Prog.    | FA, SP, SU | None  |
| CSC-130     | Computing Fundamentals II      | FA, SP     | Take CSC-120  |
| CSC-133     | C Programming                  | FA, SP     | Take 1 group: Take CIS-115 MAT-070 DRE-098; Take ELC-128 MAT-070 DRE-098; Take CIS-115 MAT-070 ENG-111; Take ELC-128 MAT-070 ENG-111; Take CIS-115 DMA-050 DRE-098; Take ELC-128 DMA-050 DRE-098; Take CIS-11 DMA-050 ENG-111; Take ELC-128 DMA-050 ENG-111 |
| CSC-134     | C Programming                  | FA, SP, SU | Take MAT-121 MAT-143 MAT-152 MAT-171 MAT-271 or MAT-252; Take 1 group; Take CIS-115 MAT-115 MAT-171; Take CIS-115 MAT-115 MAT-271   |
| CSC-151     | JAVA Programming               | FA, SP, SU | Take MAT-121 MAT-143 MAT-152 MAT-171 MAT-271 or MAT-252; Take 1 group: Take CIS-115; Take MAT-110   |
| CSC-154     | Software Development           | FA, SU     | Take DBA.120 and one of the following: CSC-134, CSC-139, CSC-151, CSC-221   |
| CSC-221     | Advanced Python Programming    | FA, SP     | Take CSC-121  |
| CSC-227     | Cloud Application Development  | FA, SP     | Take CSC-121 CSC-134 CSC-151  |
| CSC-234     | Advanced C Programming         | FA, SP     | Take CSC-134  |
| CSC-251     | Advanced JAVA Programming      | FA, SP     | Take CSC-151  |
| CSC-256     | Software Quality Assurance     | FA         | Take CSC-121  |
| CSC-289     | Software Quality Assurance     | SP         | Take CTI-110, CTI-120, CSC-154, CSC-256 or DBA-240, CTS-115 and 1 of the following: CSC-122, CSC-234, CSC-239, CSC-251, CSC-253 or CSC-221  |
| CSC-293     | Select Topics                  | SP         | Take WEB-115, CSC-121   |
| CTI-110     | Web, Pgm, & Db Foundation      | FA, SP, SU | None  |
| CTI-120     | Network & Sec Foundation       | FA, SP, SU | None  |
| CTI-140     | Virtualization Concepts        | FA, SP     | Take CTI-130 or NOS-110   |
| CTI-141     | Cloud & Storage Concepts       | SP         | Take CTI-130 or CTS-120   |
| CTI-240     | Virtualization Admin I         | FA, SP     | Take CTI-140  |
| CTI-241     | Virtualization Admin II        | SP         | Take CTI-240  |
| CTI-260     | Data Center Troubleshooting    | SP         | Take CTI-240 NET-126 NOS-230 WBL-112  |
| CTS-115     | Info Sys Business Concepts     | FA, SP, SU | None  |
| CTS-118     | IS Professional Comm           | FA, SP     | Take 1 group: Take CTS-120 CTS-135; Take CTS-120 CTI-130  |
| CTS-120     | Hardware/Software Support      | FA, SP     | Take NOS-110  |
| CTS-130     | Spreadsheet                    | FA, SP, SU | None  |
| CTS-155     | Tech Support Functions         | FA, SP, SU | None  |
| CTS-220     | Adv Hard/Software Support      | FA, SP     | Take CTS-120  |
| CTS-230     | Advanced Spreadsheet           | FA, SP     | Take CTS-130  |
| CTS-255     | Adv Tech Support Functions     | FA, SP     | Take CTS-155  |
| CTS-272     | Desktop Support: Apps          | SP         | Take NOS-130  |
| CTS-285     | Systems Analysis & Design      | SP         | Take 1 group: Take CTI-110 CTS-115; Take CIS-115 CTS-115  |
| CTS-288     | Professional Practices in IT   | FA, SP, SU | None  |
| CTS-289     | System Support Project         | SP, SU     | Take CTI-110 CTI-120 CTS-115; Take CTI-110 CTI-120 NOS-120 NOS-130 CTS-115  |
| DBA-120     | Database Programming I         | FA, SP, SU | Take DBA-120  |
| DBA-130     | Intro to noSQL Databases       | FA, SP, SU | Take CTI-110  |

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| DBA-220     | Oracle DB Programming II       | FA, SP     | Take DBA-120  |
| DBA-221     | SQL Server DB Prog II          | FA, SP     | Take DBA-120  |
| DBA-240     | Database Analysis/Design       | FA, SP     | Take DBA-120  |
| DME-115     | Graphic Design Tools           | FA         | Take DRE-098 or ENG-002   |
| DME-140     | Intro to Audio/Video Media     | FA, SP     | Take 1 : Take GRD-152; Take WEB-111; Take DME-115; Take DMA-010 DMA-020 DMA-030 or MAT-003                                      |
| DME-215     | Adv Graphic Design Tools       | SP         | Take DME-115  |
| GRD-110     | Typography I                   | FA, SP     | Take 1 group: Take DRE-097 DMA-010 DMA-020 DMA-030; Take ENG-002 MAT-003  |
| GRD-121     | Drawing Fundamentals I         | FA, SP, SU | None  |
| GRD-141     | Graphic Design I               | FA, SP, SU | Take DRE-097 or ENG-002   |
| GRD-142     | Graphic Design II              | FA, SP     | Take ART-121 DES-135 or GRD-141 GRD-151 GRD-110; Take 1 group: Take ART-121 DRE-098; Take DES-135 DRE-098; Take GRD-141 DRE-098 |
| GRD-145     | Design Applications I          | FA, SP     | Take GRD-141 GRD-151  |
| GRD-146     | Design Applications II         | FA, SP, SU | Take GRD-142 GRD-151 GRD-152  |
| GRD-151     | Computer Design Basics         | FA, SP     | Take DRE-097 DMA-030 or ENG-002   |
| GRD-152     | Computer Design Tech I         | FA, SP     | Take GRD-151 DRE-098; Take 1 group: Take DMA-010 DMA-020 DMA-030; Take MAT-003  |
| GRD-167     | Photographic Imaging I         | FA, SP     | None  |
| GRD-230     | Technical Illustration         | FA, SP     | Take ART-131 DES-125 or GRD-121; Take 1 group: Take GRD-152 ART-131; Take GRD-152 DES-125; Take GRD-152 GRD-121                 |
| GRD-240     | User Interface/User Experience | FA, SP     | Take WEB-140  |
| GRD-241     | Graphic Design III             | FA, SP     | Take DES-136 or GRD-142; Take 1 group: Take DES-136 GRD-110 GRD-152; Take GRD-142 GRD-110 GRD-152                               |
| GRD-246     | Design Applications III        | FA, SP     | Take GRD-241 GRD-110 GRD-152  |
| GRD-265     | Digital Print Production       | FA, SP     | Take GRD-151 or GRA-151; Take 1 group: Take GRD-151 GRD-152; Take GRA-151 GRD-152   |
| GRD-280     | Portfolio Design               | SP         | Take WEB-140 GRD-146; Take 1 group: Take GRD-142 GRD-152; Take GRD-142 GRA-152  |
| GRD-282     | Advertising Copywriting        | SP, SU     | Take ENG-111 GRD-110; Take 1 group: Take GRD-110 ENG-110; Take GRD-151 ENG-110; Take GRD-151 ENG-111                            |
| GRD-285     | Client/Media Relations         | SP, SU     | Take 1 group: GRD-142 and GRA-121; GRD-142 and GRA-152; GRD-142 and GRD-152   |
| HMT-110     | Intro to Healthcare Mgt        | FA         | Take DRE-097 ENG-002 or ENG-111   |
| HMT-211     | Long-Term Care Admin           | SP         | Take HMT-110  |
| HMT-212     | Mgt of Healthcare Org          | SP         | Take HMT-110  |
| NET-110     | Networking Concepts            | SP         | None  |
| NET-115     | Telecom for IT Professionals   | FA, SP     | Take CTI-120  |
| NET-125     | Introduction to Networks       | FA, SP     | Take CTI-120 or NET-110   |
| NET-126     | Routing Basics                 | FA, SP     | Take NET-125  |
| NET-135     | Data Center Networking         | SP, SU     | Take NET-126  |
| NET-175     | Wireless Technology            | SP, SU     | Take CTI-120  |
| NET-225     | Routing & Switching I          | FA, SP, SU | Take NET-126  |
| NET-226     | Routing and Switching II       | FA, SP, SU | Take NET-225  |
| NET-240     | Network Design                 | Option     | Take NET-126  |
| NET-270     | Building Scalable Networks     | SP         | Take NET-225  |
| NET-273     | Internetworking Support        | FA, SP     | Take NET-270  |
| NET-289     | Networking Project             | FA, SU     | Take CTI-110 CTI-120 CTS-115 NET-225  |
| NOS-110     | Operating Systems Concepts     | FA, SP, SU | None  |
| NOS-120     | Linux/UNIX Single User         | FA, SP, SU | Take CTI-130 NOS-110 or CTS-120   |
| NOS-125     | Linux/Unix Scripting           | FA, SP, SU | Take NOS-120  |
| NOS-130     | Windows Single User            | FA, SP, SU | Take CTI-130 NOS-110 or CET-111   |
| NOS-220     | Linux/Unix Admin I             | SP         | Take NOS-120  |
| NOS-230     | Windows Administration I       | FA, SP     | Take NOS-130  |
| NOS-231     | Windows Administration II      | FA         | Take NOS-230  |
| NOS-232     | Windows Administration III     | FA         | Take NOS-230  |
| OMT-154     | Customer Satisfaction          | FA, SP     | Take CTS-118  |
| OMT-222     | Project Management             | FA, SP, SU | None  |
| OST-080     | Keyboarding Literacy           | FA, SP, SU | None  |
| OST-122     | Office Computations            | FA, SU     | None  |
| OST-134     | Text Entry & Formatting        | FA, SP     | Take OST-080 OST-130 OST-131 or OST-132   |
| OST-135     | Adv Text Entry & Format        | FA, SP     | Take OST-134  |
| OST-136     | Word Processing                | FA, SP     | None  |
| OST-137     | Office applications I          | FA, SP, SU | None  |
| OST-138     | Office Applications II         | FA         | Take CIS-110 CIS-111 or OST-137   |
| OST-141     | Med Office Terms I             | FA         | Take 1; Take DRE-097; Take ENG-002; Take ENG-111  |
| OST-142     | Med Office Terms II            | SP         | Take MED-121 or OST-141   |

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|-------------|-------------------------------|------------|--|
| OST-145     | Social Media for Office Prof  | FA, SP     | Take CIS-110 CIS-111 or OST-137  |
| OST-148     | Med Ins & Billing             | FA         | Take 1: Take DRE-097; Take ENG-002; Take ENG-111   |
| OST-149     | Medical Legal Issues          | SP         | Take DRE-097 or ENG 002, or ENG-111  |
| OST-153     | Office Finance Solutions      | SP         | Take CIS-110 CIS-111 or OST-137  |
| OST-155     | Legal Terminology             | FA         | None   |
| OST-156     | Legal Office Procedures       | SP         | Take OST-134 OST-136 OST-155   |
| OST-164     | Office Editing                | FA, SP     | Take 1: Take DRE-097; Take ENG-002; Take ENG-111   |
| OST-165     | Adv Office Editing            | SP         | Take OST-164   |
| OST-181     | Office Procedures             | FA         | None   |
| OST-184     | Records Management            | FA, SP     | None   |
| OST-236     | Adv Word Processing           | FA, SP     | Take OST-136   |
| OST-243     | Med Office Simulation         | SP         | Take OST-148   |
| OST-247     | Procedure Coding              | SU         | Take One: MED-121 or OST-141 and Take 1 group: OST-141 OST-148; or MED-121 OST-148; or OST 141 HMT 210; or MED 121 HMT 210                               |
| OST-248     | Diagnostic Coding             | SU         | Take MED-121 or OST-141 and Take 1 group: OST-141 OST-148; or MED-121 OST-148; or OST 141 HMT 210; or MED 121 HMT 210                                    |
| OST-249     | Med Coding Certification Prep | FA         | Take OST-247 OST-248   |
| OST-260     | Adv Coding Methodologies      | SP         | Take OST-247 OST-248   |
| OST-286     | Professional Development      | FA, SP     | Take OST-134 or OST-136  |
| OST-288     | Medical Office Admin Capstone | SP         | Take OST-148 or HMT-210 and Take 1 group: OST-137 OST-148 OST-164; or OST-137 HMT-210 OST-164  |
| OST-289     | Office Admin Capstone         | SP         | Take 1 group: Take OST-134 OST-164 OST-138 CTS-130 ; Take OST-136 OST-164 OST-138 CTS-130  |
| PMT-111     | Proj Mgmt Assessing Risk      | SP         | None   |
| PMT-210     | Proj Mgmt Issues              | FA, SP, SU | None   |
| PMT-215     | Proj Mgmt Leadership          | FA         | None   |
| SEC-110     | Security Concepts             | FA, SP, SU | None   |
| SEC-150     | Secure Communications         | FA, SP, SU | Take NET-126   |
| SEC-160     | Security Administration I     | FA, SP     | NET-126 and SEC-110  |
| SEC-210     | Intrusion Detection           | FA, SP     | Take SEC-110 NOS-120 NOS-130   |
| SEC-285     | Systems Security Project      | FA, SU     | Take CTS-115 CTI-110 CTI-120 CCT-240 CCT-251 SEC-160   |
| SGD-111     | Introduction to SGD           | FA, SP, SU | None   |
| SGD-112     | SGD Design                    | SP         | Take SGD-113   |
| SGD-113     | SGD Programming               | FA, SP     | Take 1 group: DRE-097, DMA-050; or RED-090, MAT-060; or ENG-002, MAT-003   |
| SGD-114     | 3D Modeling                   | FA, SP, SU | Take SGD-116   |
| SGD-116     | Graphic Design Tools          | FA, SP, SU | Take DRE-097 or ENG-002  |
| SGD-117     | Art for Games                 | FA, SP     | Take SGD-116   |
| SGD-134     | SG Quality Assurance          | SP         | Take SGD-112   |
| SGD-135     | Serious Games                 | FA         | Take ENG-111 SGD-112 SGD-116   |
| SGD-158     | SGD Business Management       | FA, SP     | Take ENG-111 SGD-111 SGD-112   |
| SGD-159     | SGD Production Management     | SP         | Take SGD-111   |
| SGD-162     | SG 3D Animation               | FA         | Take SGD-114   |
| SGD-163     | SG Documentation              | SP         | Take ENG-002 SGD-111   |
| SGD-165     | SG Character Development      | SP         | Take SGD-162   |
| SGD-166     | SG Physiology/Kinesi          | FA, SP     | None   |
| SGD-167     | SG Ethics                     | SU         | Take ENG-111 SGD-111   |
| SGD-168     | Mobile SG Programming I       | FA         | Take SGD-113 or CIS-115  |
| SGD-172     | Virtual SG                    | FA, SP     | Take SGD-113 SGD-114   |
| SGD-174     | SG Level Design               | FA, SP     | Take SGD-114 SGD-116   |
| SGD-180     | SGD HTML Programming I        | FA         | Take SGD-113 or CIS-115 or CSC-134 or CSC-151  |
| SGD-210     | 3D Data Capture               | FA, SP     | SGD-114  |
| SGD-212     | SGD Design II                 | FA         | Take SGD-112 SGD-116   |
| SGD-213     | SGD Programming II            | FA, SP     | Take SGD-113   |
| SGD-214     | 3D Modeling II                | FA, SP     | Take SGD-114   |
| SGD-237     | Rigging 3D Models             | FA         | Take SGD-114 SGD-162   |
| SGD-239     | SGD Tech Art                  | SP         | Take SGD-113 SGD-114   |
| SGD-242     | SGD Photogrammetry            | FA, SP, SU | Take SGD-114   |
| SGD-262     | SGD 3D Animation II           | FA         | Take SGD-162   |
| SGD-268     | Mobile SG Programming II      | SP         | Take SGD-168   |
| SGD-274     | SG Level Design II            | SP         | Take SGD-174   |
| SGD-285     | SG Software Engineering       | FA         | Take SGD-212 SGD-213 or SGD-213 SGD-214  |
| SGD-288     | SGD Portfolio Design          | SP         | Take SGD 162 or SGD 285  |
| SGD-289     | SGD Project                   | SU         | Take 1 Group: SGD-212, SGD-163, SGD-174, SGD-134, SGD-165 or; SGD-212, SGD-163, SGD-174 SGD-134, SGD-172 or; SGD-212, SGD-163, SGD-174, SGD-134, SGD-285 |
| WEB-110     | Internet/Web Fundamentals     | FA, SP, SU | Take 1 group: Take DRE-098 DMA-010 DMA-020 DMA-030; Take ENG-002; Take MAT-003   |

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|-------------|---------------------------|------------|--|
| WEB-115     | Web Markup and Scripting  | FA, SP, SU | Take WEB-110 or CTI-110  |
| WEB-125     | Mobile Web Design         | FA, SP     | Take WEB-140   |
| WEB-140     | Web Development Tools     | FA, SP, SU | Take DRE-098, DMA-010, DMA-020, DMA-030 or ENG 002 & MAT 003     |
| WEB-180     | Active Server Pages       | FA         | Take CIS-115 or CSC-153 WEB-110 or CTI-110                       |
| WEB-182     | PHP Programming           | FA         | Take WEB-110 or CTI-110  |
| WEB-210     | Web Design                | FA, SP, SU | Take WEB-140   |
| WEB-213     | Internet Mkt & Analytics  | SP         | Take WEB-110 WEB-140   |
| WEB-214     | Social Media              | SP, SU     | Take 1 group: Take ENG-111 DMA-010 DMA-020 DMA-030; Take MAT-003 |
| WEB-215     | Adv Markup and Scripting  | SU         | WEB-115  |
| WEB-225     | Content Management Sys    | SP         | Take DBA-110 or DBA-120 and WEB-182                              |
| WEB-250     | Database Driven Websites  | FA         | Take DBA-110 or DBA-120 and WEB-110, or CTI-110                  |
| WEB-251     | Mobile Application Dev II | FA         | Take WEB-151   |
| WEB-260     | E-Commerce Infrastructure | SP         | Take WEB-182 and DBA-110 or DBA-120                              |
| WEB-287     | Web E-Portfolio           | SP         | Take WEB-210 WEB-140   |