

2019-20 Academic Credits for CareerTech

Courses meeting requirements for **OKLAHOMA'S PROMISE** and the **COLLEGE PREP/WORK READY** and **CORE Diploma Pathways**

| OCAS Subject Code | Course Name | Cluster | Academic Credit Subject Area |
|-------------------|---|--|------------------------------|
| 8184 | Active Directory Infrastructure | Information Technology | Computer Science |
| 8104 | Administrative Technologies II | Business, Management and Administration | Computer Science |
| 8219 | Advanced Computer Applications for the Law Office | Business, Management and Administration | Computer Science |
| 8259 | Advanced Database Concepts Using Access | Information Technology | Computer Science |
| 8155 | Advanced Design Techniques | Information Technology | Computer Science |
| 8901 | Advanced Desktop Publishing and Graphic Design | Arts, Audio/Video Technology and Communications | Computer Science |
| 8156 | Advanced Digital Animation | Information Technology | Computer Science |
| 8160 | Advanced Programming | Information Technology | Computer Science |
| 8866 | Advanced Robotics Engineering | Science, Technology, Engineering and Mathematics | Computer Science |
| 8162 | Advanced Scripting Languages | Information Technology | Computer Science |
| 8258 | Advanced Spreadsheet Applications | Information Technology | Computer Science |
| 8902 | Advanced Web and Animation Design | Arts, Audio/Video Technology and Communications | Computer Science |
| 8853 | AP Computer Science A (CSA) | Science, Technology, Engineering and Mathematics | Computer Science |
| 8851 | AP Computer Science Principles (CSP) | Science, Technology, Engineering and Mathematics | Computer Science |
| 8903 | Architectural Computer Aided Drafting and Design | Architecture and Construction | Computer Science |
| 8101 | Business and Computer Technology (1/2 unit) | Business Management and Administration; Information Technology; Finance; Marketing | Computer Science |
| 8165 | C++ Programming | Information Technology | Computer Science |
| 8166 | C# Programming | Information Technology | Computer Science |
| 8136 | Computer Repair and Troubleshooting I | Information Technology | Computer Science |
| 8137 | Computer Repair and Troubleshooting II | Information Technology | Computer Science |
| 8867 | Computer Science Discoveries | Science, Technology, Engineering and Mathematics | Computer Science |
| 8852 | Computer Science Essentials | Science, Technology, Engineering and Mathematics | Computer Science |
| 8860 | Computer Science Principles | Science, Technology, Engineering and Mathematics | Computer Science |
| 8109 | Computerized Accounting | Business, Management and Administration and Finance | Computer Science |
| 8134 | Cyber Forensics (1/2 unit) | Information Technology | Computer Science |
| 8256 | Cybersecurity Basics | Information Technology | Computer Science |
| 8142 | Database Administration | Information Technology | Computer Science |
| 8140 | Database Design and Programming | Information Technology | Computer Science |
| 8154 | Design Tools and Electronic Marketing Strategies | Information Technology | Computer Science |
| 8149 | Desktop Publishing and Graphic Design | Information Technology Business Management & Administration | Computer Science |
| 8904 | Engineering Computer Aided Drafting and Design | Manufacturing | Computer Science |
| 8132 | Enterprise Security Management (1/2 unit) | Information Technology | Computer Science |
| 8144 | Forms Development | Information Technology | Computer Science |
| 8103 | Fundamentals of Administrative Technologies | Business, Management and Administration | Computer Science |

| OCAS Subject Code | Course Name | Cluster | Academic Credit Subject Area |
|-------------------|--|---|------------------------------|
| 8905 | Fundamentals of Computer Aided Drafting and Design | Architecture and Construction | Computer Science |
| 8139 | Fundamentals of Database Development | Information Technology | Computer Science |
| 8124 | Fundamentals of Linux/UNIX | Information Technology | Computer Science |
| 8169 | Fundamentals of Technology | All Business and Information Technology Clusters | Computer Science |
| 8153 | Fundamentals of Web Design | Information Technology and Business Management & Administration | Computer Science |
| 8873 | Google Tools | Information Technology and Business Management & Administration | Computer Science |
| 8255 | Internet of Things Fundamentals | Information Technology | Computer Science |
| 8252 | IT Essentials | Information Technology | Computer Science |
| 8906 | Manufacturing Computer Aided Drafting and Design | Manufacturing | Computer Science |
| 8150 | Multimedia and Image Management Techniques | Information Technology and Business Management & Administration | Computer Science |
| 8123 | Network Management | Information Technology | Computer Science |
| 8131 | Network Security (1/2 unit) | Information Technology | Computer Science |
| 8121 | Network/Client Operating Systems | Information Technology | Computer Science |
| 8105 | Office Administration and Management | Business, Management and Administration | Computer Science |
| 8182 | Operating System/Command Line | Information Technology | Computer Science |
| 8715 | PLTW Aerospace Engineering | Science, Technology, Engineering and Mathematics | Science |
| 8719 | PLTW Biomedical Innovations | Science, Technology, Engineering and Mathematics | Science |
| 8712 | PLTW Computer Integrated Manufacturing | Science, Technology, Engineering and Mathematics | Computer Science |
| 8711 | PLTW Digital Electronics | Science, Technology, Engineering and Mathematics | Math |
| 8854 | PLTW Environmental Sustainability | Science, Technology, Engineering and Mathematics | Science |
| 8707 | PLTW Human Body Systems | Science, Technology, Engineering and Mathematics | Science |
| 8709 | PLTW Introduction to Engineering Design | Science, Technology, Engineering and Mathematics | Computer Science |
| 8708 | PLTW Medical Interventions | Science, Technology, Engineering and Mathematics | Science |
| 8706 | PLTW Principles of Biomedical Science | Science, Technology, Engineering and Mathematics | Science |
| 8710 | PLTW Principles of Engineering | Science, Technology, Engineering and Mathematics | Computer Science |
| 8130 | Principles of Information Assurance (1/2 unit) | Information Technology | Computer Science |
| 8871 | Python | Science, Technology, Engineering and Mathematics | Computer Science |
| 8186 | Regulatory Compliance and Auditing | Information Technology | Computer Science |
| 8833 | Robotics Engineering | Science, Technology, Engineering and Mathematics | Computer Science |
| 8125 | Routing and Switching I | Information Technology | Computer Science |
| 8126 | Routing and Switching II | Information Technology | Computer Science |
| 8159 | Scripting Language Fundamentals | Information Technology | Computer Science |
| 8133 | Secure Electronic Commerce (1/2 unit) | Information Technology | Computer Science |
| 8246 | Security Fundamentals | Information Technology | Computer Science |
| 8185 | Server Infrastructure Design | Information Technology | Computer Science |
| 8122 | Server Operating Systems | Information Technology | Computer Science |
| 8163 | Software Configuration Management | Information Technology | Computer Science |
| 8870 | Space Engineering Concepts | Science, Technology, Engineering and Mathematics | Computer Science |
| 8141 | SQL and PL/SQL Database Applications Development | Information Technology | Computer Science |
| 8161 | Systems Analysis, Design and Testing | Information Technology | Computer Science |
| 8168 | User Interface Design | Information Technology | Computer Science |

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| 8167 | Visual Basic .NET Programming | Information Technology | Computer Science |
| 8157 | Web Scripting Foundations | Information Technology | Computer Science |

New courses approved for 2019-20

Title Change for 2019-20

*Unless otherwise noted, all courses provide 1 unit of credit

Check ODCTE website for continuous updates. www.okcareer.tech/cac

Questions? Contact **Shawna Nord, Academic Coordinator, ODCTE**, shawna.nord@careertech.ok.gov

***Developed by the Career and Academic Connections Division*

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