



2021-22 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
8261	Artificial Intelligence	Information Technology	Computer Science
8903	Architectural Computer Aided Drafting and Design	Architecture and Construction	Computer Science
8703	BioTechnology II	Science, Technology, Engineering and Mathematics	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
8861	Cybersecurity	Science, Technology, Engineering and Mathematics	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

OCAS Subject Code	Course Name	Cluster	Academic Credit Subject Area
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
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

OCAS Subject Code	Course Name	Cluster	Academic Credit Subject Area
8167	Visual Basic .NET Programming	Information Technology	Computer Science
8157	Web Scripting Foundations	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
8881	Virtual Reality Coding	Science, Technology, Engineering and Mathematics	Computer Science

New courses for 2021-2022

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

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

***Developed by the Counseling and Career Development Division*

Oklahoma Department of Career and Technology Education – updated April, 2021

For questions, please contact:

Shawna Nord, Academic Coordinator, ODCTE

shawna.nord@careertech.ok.gov