

**Testing Guide: Business Management and Administration  
2024-2025**

OCAS/Course Name	Approved Certification Options					
	ODCTE	Precision Exams	Certiport	TOSA Isograd	iCEV	National Certifications
8107 Accounting I	Accounts Payable Clerk (0001) Accounts Receivable Clerk (0002)	Accounting I (0005)	QuickBooks Certified User (0010)			
8104 Administrative Technologies II		Computer Technology II (0903) Business Office Specialist (0202)	MOS PowerPoint (0146) MOS Access Expert (0328)	TOSA PowerPoint (0133)		
8219 Advanced Computer Applications for the Law Office		Computer Technology II (0903)				
Advanced Project Management			PMI Project Management Ready (0198)			<b>CompTIA:</b> Project + (0968) <b>FAA:</b> Remote Pilot Certificate – FAA 107 (2424) <b>ESRI:</b> ArcGIS Desktop Entry (2763)
8258 Advanced Spreadsheet Applications			MOS Excel Core (0145) MOS Excel Expert (0161)	TOSA Excel (0137)		
Benefits & Compensation Management						
8170 Bilingual Interpersonal Communications I						
8177 Business Communications		Business Communication I (0170) Business Communication II (0171)	Communication Skills for Bus (0188)			<b>MBA Research:</b> A*S*K* Fundamental Business Concepts (0166)
8254 Business Foundations	Workplace Readiness Skills (0454) Job Seeking & Retention Skills (0455)	Exploring Computer Science (1725) Exploring Business & Marketing (0916) 21 <sup>st</sup> Century Success Skills (0448) Preparing for College & Careers (0447)				
Business Management for Travel and Tourism		Hospitality and Tourism (7452)				
Collaboration in Problem Based Learning						<b>ESRI:</b> ArcGIS Desktop Entry (2763)

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	ODCTE	Precision Exams	Certiport	TOSA Isograd	iCEV	National Certifications
8109 Computerized Accounting	Accounts Payable Clerk (0001) Accounts Receivable Clerk (0002)	Accounting I (0005)	QuickBooks Certified User (0010)			
Convention Planning		Hospitality and Tourism (7452)				
8229 Customer Assistance	Manager Trainee (0503)	Customer Service (0449)		TOSA Salesforce End-Users (0125)		<b>A*S*K Institute (MBA Research):</b> <a href="#">Fundamental Business Concepts (0166)</a> <b>NRF Foundation:</b> <a href="#">Customer Service and Sales Certification (0452)</a> <a href="#">Advanced Customer Service and Sales Certification (0453)</a> <a href="#">Retail Management Certification (0571)</a> <a href="#">Retail Business Credential (0572)</a>
8149 Desktop Publishing and Graphic Design	Graphic Designer (4112)	Desktop Publishing I (4158) Desktop Publishing II (4159) Digital Print Design (0264)		TOSA InDesign (0130) TOSA Photoshop (0132) TOSA Illustrator (0131)		ACP Visual Design Using Adobe Photoshop (992)
Diagnostic Coding						<b>American Health Information Management Associates:</b> <a href="#">Certified Coding Associate (CCA) (8507)</a> <a href="#">Certified Coding Specialist (CCS) (8508)</a> <b>American Academy of Professional Coders:</b> <a href="#">Certified Professional Coder (CPC) (8511)</a> <a href="#">Certified Outpatient Coder – Apprentice (8528)</a> <a href="#">Certified Inpatient Coder (8529)</a>
8628 Digital Marketing	Marketing Fundamentals (0502)	Digital Marketing (0552) Digital Business Applications (0563)	Meta Certification			<b>A*S*K Institute (MBA Research):</b> <a href="#">Fundamental Marketing Concepts (0540)</a>

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Electronic Health Records						<b>National Health career Association:</b> <a href="#">Certified Electronic Health Record Specialist (CEHRS) (8726)</a> <a href="#">Medical Administrative Assistant Certification (CMAA) (8728)</a> <b>American Health Information Management Association (AHIMA):</b> <a href="#">Registered Health Information Technician (RHIT) (8509)</a> <b>American Medical Technologists (AMT):</b> <a href="#">Certified Medical Administrative Specialist (CMAS) (8501)</a> <b>National Center for Competency Testing:</b> <a href="#">National Certified Medical Office Assistant (NCMOA) (8516)</a>
8112 Entrepreneurship: Business Development	<a href="#">Entrepreneur (0911) Workplace Readiness Skills (0454)</a>	<a href="#">Entrepreneurship (0915)</a>				<b>A*S*K* Institute (MBA Research):</b> <a href="#">Fundamental Business Concepts (0166)</a>
8113 Entrepreneurship: Business Management	<a href="#">Entrepreneur (0911) Workplace Readiness Skills (0454)</a>	<a href="#">Business Management (0163)</a>				<b>A*S*K* Institute (MBA Research):</b> <a href="#">Concepts of Entrepreneurship &amp; Mgmt (0169)</a>
8221 Event and Project Planning Management		<a href="#">Hospitality and Tourism (7452)</a>				<b>CompTIA:</b> <a href="#">Project + (0968)</a> <b>Coursera:</b> <a href="#">Google Project Management (0112)</a>

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	ODCTE	Precision Exams	Certiport	TOSA Isograd	iCEV	National Certifications
<b>8251 Foundations for the Legal Office</b>	Legal Office Assistant (0101)	Word Processing (0151) Business Office Specialist (0202)	MOS Word (0143) MOS Excel Core (0145) MOS PowerPoint (0146)	TOSA Word (0136) TOSA Excel (0137) TOSA VBA Excel (0135) TOSA Outlook (0134) TOSA PPT (0133) TOSA Collaborative Platform 365 Certification (0128) TOSA Salesforce End-Users (0125)		
<b>Foundations of the Medical Office</b>	Administrative Medical Assistant (8624)	Medical Assistant: Medical Terminology (8765)				
<b>8103 Fundamentals of Administrative Technologies</b>		Word Processing (0151) Business Office Specialist (0202)	MOS Word (0143) MOS Excel Core (0145)	TOSA Word (0136) TOSA Excel (0137) TOSA VBA Excel (0135) TOSA Outlook (0134)		
<b>8257 Fundamentals of Project Management</b>						<b>CompTIA:</b> Project + (0968) <b>FAA:</b> Remote Pilot Certificate – FAA 107 (2424) <b>ESRI:</b> ArcGIS Desktop Entry (2763)
<b>8169 Fundamentals of Technology</b>	Fundamentals of Technology (0901)	Computer Technology (0902) Digital Business Applications (0563) Information Technology, Introduction (1108)	Internet & Computing Core Certification (IC <sup>3</sup> ) (0905)	TOSA DIGCOMP (0129) TOSA DIGCOMP JR. (0193) TOSA Google Slides (0116) TOSA Google Docs (0117) TOSA Google Sheets (0118) TOSA CyberCitizen (0119) TOSA Word (0136) TOSA Excel (0137) Tosa PowerPoint (0133)	Business Office Technology (0162)	<b>TestOut:</b> Office Pro (0149) Digital Literacy Pro (0185)
<b>8153 Fundamentals of Web Design</b>		Business Web Page Design (0326) Business Web Page Design, Advanced (0327)		TOSA HTML (0121) TOSA WordPress (0127)		<b>CIW:</b> Site Development Associate (0254) <b>Adobe:</b> ACP Web Authoring Using Adobe Dreamweaver (0993) <b>IE Class:</b> Web Design Certification (0325)

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	ODCTE	Precision Exams	Certiport	TOSA Isograd	iCEV	National Certifications
8873 Google Tools		Business Office Specialist (0202) Word Processing (0151)		TOSA DIGCOMP (0129) TOSA DIGCOMP JR. (0193) TOSA Google Slides (0116) TOSA Google Docs (0117) TOSA Google Sheets (0118) TOSA CyberCitizen (0119)		<b>Proctor U:</b> Google Workspace (0142)
Healthcare IT Electronic Health Records I						<b>American Medical Certification Association:</b> Electronic Health Record Certification (8776) Medical Coder and Biller Certification (8777) Medical Administrative Assistant Certification (CMAA) (8778) <b>PSI:</b> Certified Electronic Health Record Specialist (CEHRS) (8726) <b>American Health Information Management Association (AHIMA):</b> Registered Health Information Technician (RHIT) (8509) <b>American Medical Technologists:</b> Certified Medical Administrative Specialist (CMAS) (8501)

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	ODCTE	Precision Exams	Certiport	TOSA Isograd	iCEV	National Certifications
Healthcare IT Electronic Health Records II						<b>American Medical Certification Association:</b> <a href="#">Electronic Health Record Certification (8776)</a> <a href="#">Medical Administrative Assistant Certification (CMAA) (8778)</a> <b>PSI:</b> <a href="#">Certified Electronic Health Record Specialist (CEHRS) (8726)</a> <b>American Health Information Management Association (AHIMA):</b> <a href="#">Registered Health Information Technician (RHIT) (8509)</a> <b>American Medical Technologists:</b> <a href="#">Certified Medical Administrative Specialist (CMAS) (8501)</a>
Healthcare IT Electronics Health Records III						<b>CompTIA:</b> <a href="#">Healthcare IT Technician (0304)</a>
Healthcare IT Electronic Health Records IV						<b>CompTIA:</b> <a href="#">Healthcare IT Technician (0304)</a>
Healthcare IT Terminology		<a href="#">Medical Terminology (8766)</a> <a href="#">Medical Assisting: Medical Terminology (8765)</a>				
8114 Human Resources Concepts		<a href="#">Business Management (0163)</a>				
Human Resources Information Systems						
8179 Intro To Entrepreneurship	<a href="#">Entrepreneur (0911)</a>	<a href="#">Entrepreneurship (0915)</a> <a href="#">Business Concepts (0576)</a> <a href="#">Business Law (0104)</a>	<a href="#">Entrepreneurship and Small Business (0912)</a>			
8448 Introduction to Hospitality and Tourism	<a href="#">Introduction to Hospitality &amp; Tourism (7451)</a>	<a href="#">Hospitality and Tourism (7452)</a>				

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	ODCTE	Precision Exams	Certiport	TOSA Isograd	iCEV	National Certifications
Lodging Management I		Lodging and Recreation (7453)				<b>American Hotel &amp; Lodging Education Institute:</b> Hospitality and Tourism Management Program Year 1 Exam (7460) <b>Choose 1 below:</b> Certified Guest Service Professional (CGSP) (7527) START Front Desk Representative Certification (7462)
Lodging Management II		Lodging and Recreation (7453)				<b>American Hotel &amp; Lodging Education Institute:</b> Hospitality and Tourism Management Program Year 2 Exam (7463) <b>Choose 1 below:</b> Certified Guest Service Professional (CGSP) (7527) START Front Desk Representative Certification (7462)
Medical Terminology		Medical Terminology (8766)				
Microsoft Office Specialist Access Study Prep			MOS Access (0144)			
Microsoft Office Specialist Excel/PowerPoint Study Prep			MOS Excel (0145) MOS PowerPoint (0146)			
Microsoft Office Specialist Outlook/Word Study Prep			MOS Outlook (1745) MOS Word (0143)			
8150 Multimedia and Image Management Techniques	Production Assistant (0603) Graphic Designer (4112) Illustrator (4113)	Digital Media I (4160) Digital Media II (4162) Television Broadcasting, I (1754) Television Broadcasting II (1755)	ACP: Visual Design using Photoshop (0992) ACP: Graphic Design & Illustration with Adobe Illustrator (0297)	TOSA Illustrator (0131) TOSA Photoshop (0132) TOSA InDesign (0130)		

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<b>8105 Office Administration and Management</b>	Administrative Professional (0201)	Business Management (0163) Leadership Principles I (0954)				<b>A*S*K* Business Institute:</b> Fundamental Business Concepts (0166) Concepts of Entrepreneurship & Management (0169) Fundamentals of Ethics (0953)
<b>Patient Billing/Medical Insurance</b>	Accounts Payable Clerk (0001) Accounts Receivable Clerk (0002) Administrative Medical Assistant (8624)	Accounting I (0005) Medical Assisting: Medical Office Management (8769)				<b>National Health career Association</b> Certified Billing & Coding Specialists (CBCS) (8727) <b>National Center for Competency Testing</b> Certified Insurance & Coding Specialist (NCICS) (8512) <b>MedCerts</b> Medical & Billing Coding Specialist (MBC 1) (8524)
<b>8178 Personal Finance</b>	Financial Literacy (0057)	<b>Finance:</b> General Financial Literacy (0068) Math of Business and Personal Finance (0009) Personal Financial Responsibility (0069)			Personal Financial Literacy (0070)	Aligned to Statewide Mandate for Personal Finance. Passing grade of 70% or above required for student transcript. <b>A*S*K Institute (MBA Research):</b> Concepts of Finance (0541) <b>National Occupational Competency Testing Institute:</b> Personal Finance Foundations (0542)

To access the complete approved assessment list from the *CareerTech* Testing Center or to request that a new assessment be added visit:  
<https://oklahoma.gov/careertech/testing-center/ok-competency-testing.html>



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	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
<b>Accident &amp; Health Insurance</b>						<p>Oklahoma Insurance Accident &amp; Health Examination:  <a href="https://www.oid.ok.gov/licensing-and-education/Examination-Registration-and-Exam-Request-Form">https://www.oid.ok.gov/licensing-and-education/Examination-Registration-and-Exam-Request-Form</a>            Request Form:  <a href="http://www.psiexams.com">www.psiexams.com</a></p> <p>Society of Certified Insurance Service Representatives:  <a href="http://CISR.org">CISR   Certified Insurance Service Representative (scic.com)</a> (0708 and 0712)</p> <p>International Risk Management Institute  <a href="https://www.irmi.com/certifications">https://www.irmi.com/certifications</a></p>
<b>8107 Accounting I</b>	<p>Accounts Payable Clerk (0001)</p> <p>Accounts Receivable Clerk (0002)</p>	Accounting I (0005)	Intuit QuickBooks Certified User (0010)			
<b>8108 Accounting II</b>	Full Charge Bookkeeper (0003)	Accounting II (0006)				
<b>8120 Banking &amp; Financial Services</b>		Banking and Finance (0067)				
<b>8254 Business Foundations</b>	<p>Workplace Readiness Skills (0454)</p> <p>Job Seeking &amp; Retention Skills (0455)</p>	<p>Exploring Computer Science (1725)</p> <p>Exploring Business &amp; Marketing (0916)</p> <p>21<sup>st</sup> Century Success Skills (0448)</p> <p>Preparing for College &amp; Careers (0447)</p>				

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	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
<b>8118 Business &amp; Personal Finance</b>	Financial Literacy (0057)	General Financial Literacy (0068)  Business Mathematics and Personal Finance (0009)  Personal Financial Responsibility(0069)				<b>MBA Research A*S*K*</b> Concepts of Finance (0541)  <b>National Occupational CompetencyTesting Institute:</b> Personal Finance Foundations (0542)
<b>8109 Computerized Accounting</b>	Accounts Payable Clerk (0001)  Accounts Receivable Clerk (0002)	Accounting I (0005)	Intuit QuickBooks Certified User (0010)			
<b>8111 Financial Accounting</b>	Full Charge Bookkeeper (0003)	Accounting III (0008)				<b>American Institute of Professional Bookkeepers -</b> <a href="http://www.aipb.org/">http://www.aipb.org/</a> Certified Bookkeeper
<b>Financial Customer Relations</b>						<b>National Retailers Federation Foundation:</b> Customer Service and Sales (0452)  Retail Industry Fundamentals Specialist (0571)  Business of Retail Certified Specialist (0572)
<b>8169 Fundamentals of Technology</b>	Fundamentals of Technology (0901)	Computer Technology I (0902)  Digital Business Applications (0563)  Information Technology Fundamentals (1108)	Internet & Computing Core Certification (IC <sup>3</sup> ) (0905)	TOSA DIGCOMP (0129) TOSA Google Slides (0116) TOSA Google Docs (0117) TOSA Google Sheets (0118) TOSA CyberCitizen (0119) TOSA Word (0136) TOSA Excel (0137) Tosa PowerPoint (0133)	Business Office Technology (0162)	<b>TestOut:</b> TestOut Office Pro (0149) TestOut Digital Lit Pro (0185)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
Life Insurance Concepts						<p><b>State of Oklahoma:</b>  <a href="#">Oklahoma Insurance Life Examination Application:</a>  <b>The Institutes:</b>  <a href="#">The institutes Risk &amp; Insurance Knowledge Group</a>            IRMI  <a href="#">International Risk Management Institute</a>            PSI  <a href="#">Examination Registration and Exam Request Form</a></p> <p>Society of Certified Insurance Service Representatives:  <a href="#">CISR   Certified Insurance Service Representative (scic.com)</a> (0711)</p>
8180 Math of Finance		<a href="#">Business Mathematics and Personal Finance (0009)</a>				
8110 Payroll Accounting	<a href="#">Payroll Clerk (0004)</a>					<p><b>American Payroll Association:</b>  <a href="#">Fundamentals Payroll Certification(0011)</a></p>
8178 Personal Finance	<a href="#">Financial Literacy (0057)</a>	<a href="#">General Financial Literacy (0068)</a>  <a href="#">Business Mathematics and Personal Finance (0009)</a> <a href="#">Personal Financial Responsibility(0069)</a>			<a href="#">Personal Financial Literacy (0070)</a>	<p>Aligned to Statewide Mandate for Personal Finance. Passing grade of 70% or above required for student transcript.</p> <p><b>National Occupational CompetencyTesting Institute:</b>  <a href="#">Personal Finance Foundations (0542)</a>  <b>MBA Research: A*S*K*</b>  <a href="#">Concepts of Finance (0541)</a></p>

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	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
Property & Casualty Commercial Lines						<a href="#">Oklahoma Property &amp; Casualty Personal Lines Examination Application Examination Registration and Exam Request Form</a> <a href="#">The institutes Risk &amp; Insurance Knowledge Group International Risk Management Institute Society of Certified Insurance Service Representatives: CISR   Certified Insurance Service Representative (scic.com) (0710)</a>
Property & Casualty Personal Lines Insurance						<a href="#">Oklahoma Property &amp; Casualty Personal Lines Examination Application Examination Registration and Exam Request Form</a> <a href="#">The Institutes Risk &amp; Insurance Knowledge Group International Risk Management Institute Society of Certified Insurance Service Representatives: CISR   Certified Insurance Service Representative (scic.com) (0709)</a>
Title Insurance						<a href="#">Oklahoma Property &amp; Casualty Personal Lines Examination Application Examination Registration and Exam Request Form</a> <a href="#">The institutes Risk &amp; Insurance Knowledge Group International Risk Management Institute</a>

To access the complete approved assessment list from the *CareerTech* Testing Center or to request that a new assessment be added visit:

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	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8206 2D Animation Techniques	Motion Graphics Artist (0602) 3D Animator (0606)					<b>Adobe:</b> ACP Visual Effects & Motion Graphics using Adobe After Effects (997) ACP Multiplatform Animation using Adobe Animate (0996) <b>Toon Boom:</b> Toon Boom Storyboard Pro Certified Associate (0625) <b>Briteshift:</b> Toon Boom Storyboard Pro Associate (0610)
8208 3D Animation	3D Animator (0606)	3D Animation I (0607)	Autodesk 3ds Max (2759) Autodesk Maya Certified User (2758)	Tosa AutoDesk AutoCAD (0123)		
8209 3D Modeling and Rigging Techniques	3D Modeler (0605)	3D Graphics (0608)	Autodesk 3ds Max (2759) Autodesk Maya Certified User (2758)	Tosa AutoDesk AutoCAD (0123)		
8184 Active Directory Infrastructure						<b>Microsoft:</b> MCP: Installing and Configuring Windows Server 2012 (0213)
8259 Advanced Database Concepts Using Access			MOS Access (0144)			
8155 Advanced Design Techniques	Motion Graphics Artist (0602) Producer (0604)	Commercial Art II (0628)		TOSA JavaScript (0122) TOSA InDesign (0130) TOSA Illustrator (0131)		<b>CIW:</b> E-Commerce Specialist (0268) <b>Adobe</b> ACP Web Authoring using Adobe Dreamweaver (0993) ACP Print & Digital Media Publication using Adobe InDesign (0298) ACP Graphic Design & Illustration Using Adobe Illustrator (0297)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
<b>8156 Advanced Digital Animation</b>	Motion Graphics Artist (0602)	Commercial Art II (0628)	Autodesk 3ds Max (2759)	TOSA Adobe Illustrator (0131) TOSA Photoshop (0132) Tosa Adobe Premiere Pro (0120) TOSA JavaScript (0122) Tosa AutoDesk AutoCAD (0123)		<b>CIW:</b> Site Development Associate (0254) <b>Adobe:</b> ACP Multiplatform Animation using Adobe Animate (0996) ACP Visual Design Using Adobe Photoshop (0992) ACP Digital Video Using Adobe Premiere Pro (0995) ACP Visual Effects & Motion Graphics using Adobe After Effects (0997)
<b>8190 Advanced Digital Video Tools and Techniques</b>	Producer (0604)			TOSA Adobe Premiere Pro (0120)		<b>Adobe:</b> ACP Digital Video Using Adobe Premiere Pro (0995) <b>Apple:</b> Certified Associate Final Cut Pro (0295)
<b>8197 Advanced Effects for Motion Graphics</b>	Motion Graphics Artist (0602)		Autodesk 3ds Max (2759)	TOSA AutoDeskAutoCAD (0123)		<b>Adobe:</b> ACP Visual Effects & Motion Graphics using Adobe After Effects (0997) ACP Multiplatform Animation using Adobe Animate (0996) <b>Apple:</b> Certified Associate Final Cut Pro (0295)

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	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8160 Advanced Programming		Computer Programming I (0210) Computer Programming II Java (0211)		TOSA JavaScript (0122) TOSA Python (0126) TOSA Python Jr. (0126)		<b>Oracle:</b> JAVA SE Developer (0233) AP Computer Science Exam (HS)(1727) CIW Java Script Specialist (0240) <b>OU:</b> Code Sooner (0207) <b>Python Institute:</b> PCEP – Certified Entry-Level Python Programmer (1511) PCAP – Certified Associate Python Programmer (1516)
8128 Advanced Routing and Remote Access Networks	Computer Networking Technician (1001)	Network Fundamentals (1151)				<b>Cisco:</b> CCNA Routing & Switching 100-101 (1125)
8162 Advanced Scripting Languages		Computer Programming I (0210) Computer Programming II C++ (0241) Computer Programming II Java (0211) Computer Programming II C# (0236) Computer Programming II Python (0236)		TOSA Python (0126) TOSA Python Jr (0126) TOSA JavaScript (0122)		<b>Microsoft:</b> .NET Fundamentals (0299) <b>Python Institute:</b> PCEP – Certified Entry-Level Python Programmer (1511) PCAP – Certified Associate Python Programmer (1516)
2535 AP Computer Science A		Computer Programming I (0210) Computer Programming II Java (0211)				<b>AP College Board:</b> AP Computer Science Principles (1722) <b>OU:</b> Code Sooner (0207)
2536 AP Computer Science Principles		Computer Programming II Java (0211)				<b>AP College Board:</b> AP Computer Science Principles (1722)
8261 Artificial Intelligence			AI-900 Microsoft Azure AI Fundamentals (0701)			<b>CertNexus (Choose One):</b> Certified Ethical Emerging Technologist (0998) Certified Artificial Intelligence Practitioner (0999)

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Audio Production for Radio and Video		Video Production I (1752) Video Production II (1753) Television Broadcasting II (1755)		TOSA Adobe Premiere Pro (0120)		<b>Apple:</b> Logic Pro (0294) <b>Avid:</b> Media Composer Certified User (1736)
8193 Audio Production	Producer (0604)	Video Production I (1752) Video Production II (1753)		TOSA Adobe Premiere Pro (0120)		<b>Adobe</b> ACP Digital Video Using Adobe Premiere Pro (995) <b>Avid:</b> Media Composer Certified User (1736) <b>Apple:</b> Logic Pro (0294)
8203 Audio Tools and Techniques	Editor (0601)					<b>Apple:</b> Logic Pro (0294)
8234 Awareness of GPS/GIS						<b>ESRI:</b> ArcGIS Desktop Associate (*)
Basic Electronic Concepts						<b>Electronics Technician Association (ETA) (Choose 1)</b> Associate Electronics Technician (CETa) (4055) Student Electronics Technician (SET) (4004)
8238 Beginning Android Development (For Technology Centers Only)						
8194 Broadcast Production	Producer (0604)	Television Broadcasting I (1754) Television Broadcasting II(1755)		TOSA Adobe Premiere Pro (0120)		<b>Adobe (3 tests):</b> ACP Visual Design Using Adobe Photoshop (0992) ACP Digital Video Using Adobe Premiere Pro (0995) ACP Visual Effects & Motion Graphics using Adobe After Effects (0997) <b>Apple Certified Associate:</b> Final Cut (0295)



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Business Communications & Project Management		Business Communication I (0170) Business Communication II (0171)				<b>CompTIA:</b> Project+(0968)
Business Continuity <i>(For Technology Centers Only)</i>						
8254 Business Foundations	Workplace Readiness Skills (0454) Job Seeking & Retention Skills (0455)	Exploring Computer Science (1725) Exploring Business & Marketing (0916) 21 <sup>st</sup> Century Success Skills (0448) Preparing for College & Careers (0447)				
8166 C# Programming		Computer Programming II C# (0236)				<b>Microsoft:</b> Programming in C# (0221) <b>Unity:</b> Programmer (0206)
8165 C++ Programming		Computer Programming II C++ (0241)				<b>C++ Institute:</b> CLA-C Programming Language Certified Associate (0245)
CCNA Cybersecurity Operations			ITS-Network Security (1718)			<b>Cisco:</b> CCNA (200-301 CCNA) (1114) <b>GIAC:</b> Security Leadership (GSLC)(0251) Security Essentials (GSEC) (0250) <b>(ISC)2:</b> System Security Certified Practitioner (SSCP) (0260) Certified in Cyber (0983) <b>CompTIA:</b> Security+ (1707) Pentest+ (0191)

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	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
CCNA Network Security			ITS-Network Security (1718)			<b>Cisco:</b> CCNA (200-301 CCNA) (1114) <b>GIAC:</b> Security Leadership (GSLC)(0251) Security Essentials (GSEC) (0250) <b>(ISC)2:</b> System Security Certified Prac. (SSCP) (0260) Certified in Cyber (0983) <b>CompTIA:</b> Security+ (1707)
8136 Computer Repair and Troubleshooting I	Computer Repair Technician (1401)	Computer Systems I(1402) Computer Technology I (0902) Computer Technology II (0903)				<b>CompTIA:</b> A+ Core 1 and Core 2 (1504) IT Fundamentals (0246) <b>ETA:</b> NCT (0323) CST (1452) WNT (4063) <b>Testout :</b> PC Pro (0226) IT Fundamentals Pro (0271)
8137 Computer Repair and Troubleshooting II	Computer Repair Technician (1401) Computer Networking Technician (1001)	Computer Systems I (1402) Computer Technology I (0902) Computer Technology II (0903)	ITS – Device Configuration and Management (1738)			<b>CompTIA:</b> A+ Core 1 and Core 2 (1504) <b>ETA:</b> NCT (0323) CST (1452) WNT (4063) <b>Testout:</b> PC Pro (0226) IT Fundamentals Pro (0271)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
<b>8138 Computer Repair and Troubleshooting III</b>	Computer Repair Technician (1401) Computer Networking Technician (1001)	Computer Maintenance and Repair 884 (1402) Computer Technology I (0902) Computer Technology II (0903)				<b>CompTIA:</b> A+ Core 1 and Core 2 (1504) <b>ETA:</b> NCT (0323) CST (1452) WNT (4063) <b>Testout:</b> PC Pro (0226) IT Fundamentals Pro (0271)
<b>8867 Computer Science Discoveries</b>		Exploring Computer Science (1725)	Internet & Computing Core Certification (IC <sup>3</sup> ) (0905)			
<b>8852 Computer Science Essentials</b>		Computer Technology I (0902) Information Technology Fundamentals (1108)	Internet & Computing Core Certification (IC <sup>3</sup> ) (0905)			
<b>8860 Computer Science Principles</b>		Computer Programming I (0210)				<b>College Board:</b> AP Computer Science Principles (1722)
<b>8224 Cross Platform Game Programming</b>		Computer Programming II C++ (0241) Computer Programming II C# (0236)		TOSA JavaScript (0122)		<b>Microsoft:</b> Programming in C# (0221) <b>C++ Institute:</b> CLA-C Programming Language Certified Associate (0245)
<b>8134 Cyber Forensics</b>				TOSA CyberCitizen (0119) TOSA CyberCitizen Jr. (0192)		<b>GIAC:</b> Certified Forensics Analyst (GCFA)(1715) Security Leadership (GSLC)(0251) Security Essentials (GSEC) (0250) <b>(ISC)2:</b> System Security Certified Prac. (SSCP) (0260) Certified in Cyber (0983) <b>CompTIA:</b> Security+ (1707) CySA+ (0986) Pentest + (0191) <b>TestOut:</b> CyberDefensePro (0985)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
Cyber Ops						<b>CompTIA:</b> Security+ (1707) CySA+ (0986) Pentest + (0191) <b>Cisco:</b> 200-201 CBROPS exam(1302) <b>(ISC)2:</b> Certified in Cyber (0983)
8256 Cybersecurity Basics			ITS-Network Security (1718)			<b>TestOut:</b> CyberDefensePro (0985) <b>CompTIA:</b> CySA+ (0986) Pentest + (0191) <b>(ISC)2:</b> Certified in Cyber (0983)
8142 Database Administration						<b>Oracle Certified Associate:</b> Database Administration I (0231) Database 11g: Program with PL/SQL (0228) Database 12c: Administration (0227) <b>CompTIA:</b> Data+ (4581)
8233 Database Administration II						<b>Oracle Certified Associate:</b> Oracle Database Administration II (0230) <b>CompTIA:</b> Data+ (4581)
Database Concepts Using ACCESS						<b>Microsoft:</b> MOS Access (0144) <b>CompTIA:</b> Data+ (4581)
8140 Database Design and Programming			ITS-Databases (0243)			<b>Oracle Certified Associate:</b> Database 11g: SQL Fund I (0232) Database 12c: SQL and PL/SQL Fundamentals (0307) <b>CompTIA:</b> Data+ (4581)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
Design I		CAD Mechanical Design I (2706) CAD Mechanical Design II (2707)		Tosa AutoDesk AutoCAD (0123)		<b>Autodesk:</b> AutoCad Certified User (2755) Revit Certified User (2757) SolidWorks Associate (2760)
Design II		CAD Mechanical Design I (2706) CAD Mechanical Design II (2707) CAD Mechanical Design III (2708)		Tosa AutoDesk AutoCAD (0123)		
8154 Design Tools and Electronic Marketing Strategies	Graphic Designer (4112) Production Artist (4114)	Digital Media I (4150) Digital Media II (4152) Digital Media Advanced (4153)		TOSA Photoshop (0132) TOSA Illustrator (0131)		<b>Adobe:</b> ACP Web Authoring using Adobe Dreamweaver (0993) ACP Visual Design Using Adobe Photoshop (992) ACP Multiplatform Animation using Adobe Animate (0996)
8145 Desktop Publishing Fundamentals	Graphic Designer (4112)	Desktop Publishing I (4158)				
8149 Desktop Publishing and Graphic Design	Graphic Designer (4112) Illustrator (4113)	Desktop Publishing I (4158) Desktop Publishing II (4159) Digital Print Design (0264)		TOSA Photoshop (0132) TOSA InDesign (0130) TOSA Illustrator (0131)		<b>Adobe:</b> ACP Print & Digital Media Publication using Adobe InDesign (0298) ACP Visual Design Using Adobe Photoshop (0992)
8151 Digital Editing and Production Photography	Photographer (4115) Production Artist (4114)	Film photography (4126) Commercial Photography I, (4127) Commercial Photography II, (4128) Commercial Art I (4129)		TOSA Photoshop (0132)		<b>Adobe:</b> ACP Visual Design Using Adobe Photoshop (0992)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8191 Digital Media Production	Production Assistant (0603) Editor (0601)	Digital Media I (4150) Digital Media II (4152) Digital Media Advanced (4153)		TOSA Adobe Premiere Pro (0120)		<b>Adobe:</b> ACP Digital Video Using Adobe Premiere Pro (0995) ACP Visual Effects & Motion Graphics using Adobe After Effects (997)
8260 Drone Technology						<b>FAA:</b> Remote Pilot Certificate – FAA 107 (2424)
8237 Editing Visualizing & Sharing Data in ArcGis Software						<b>Pearson:</b> ArcGIS Fundamentals Foundation (2763)
8132 Enterprise Security Management			ITS-Network Security (1718)			<b>CompTIA:</b> Server+ (0955) Security+ (1707) <b>Cisco:</b> CCNA (200-301 CCNA) (1114) <b>GIAC:</b> Security Leadership (GSLC)(0251) Security Essentials (GSEC) (0250) <b>(ISC)2:</b> System Security Certified Prac. (SSCP) (0260) <b>TestOut:</b> Security Pro (0991) Ethical Hacker Pro (0990)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
Entry Security Analyst						<b>Cisco:</b> <a href="#">Understanding Cisco Cybersecurity Fund (*)</a> <a href="#">Implementing Cisco Cybersecurity Ops (*)</a> <b>TestOut:</b> <a href="#">CyberDefensePro (0985)</a> <b>(ISC)2:</b> <a href="#">Certified in Cyber (0983)</a> <b>CompTIA:</b> <a href="#">CySA+ (0986)</a> <a href="#">Pentest + (0191)</a>
8207 Fundamentals of 3D Motion Graphics	<a href="#">Motion Graphics Artist (0602)</a> <a href="#">3D Animator (0606)</a>	3D Animation I (0607)	<a href="#">Autodesk 3ds Max (2759)</a> <a href="#">Autodesk Maya Certified User (2758)</a>	Tosa AutoDesk AutoCAD (0123)		
8139 Fundamentals of Database Development			<a href="#">ITS-Databases (0243)</a> <a href="#">ITS - Networking (1150)</a> <a href="#">ITS-Network Security (1718)</a> <a href="#">MOS Access (0144)</a>			<b>CompTIA:</b> <a href="#">Data+ (4581)</a>
8124 Fundamentals of Linux/Unix						<b>CompTIA:</b> <a href="#">Linux+ (1301)</a> <b>TestOut:</b> <a href="#">Linux Pro (1124)</a> <b>LPI:</b> <a href="#">Linux Essentials (1152)</a>
8169 Fundamentals of Technology	<a href="#">Fundamentals of Technology (0901)</a>	<a href="#">Computer Technology I (0902)</a> <a href="#">Digital Business Applications (0563)</a> <a href="#">Information Technology Fundamentals (1108)</a>	<a href="#">Internet &amp; Computing Core Certification (IC<sup>3</sup>) (0905)</a>	<a href="#">TOSA DIGCOMP (0129)</a> <a href="#">TOSA Google Slides (0116)</a> <a href="#">TOSA Google Docs (0117)</a> <a href="#">TOSA Google Sheets (0118)</a> <a href="#">TOSA CyberCitizen (0119)</a> <a href="#">TOSA CyberCitizen Jr. (0192)</a> <a href="#">TOSA Word (0136)</a> <a href="#">TOSA Excel (0137)</a> <a href="#">Tosa PowerPoint (0133)</a>	<a href="#">Business Office Technology (0162)</a>	<b>TestOut:</b> <a href="#">TestOut Office Pro (0149)</a> <a href="#">TestOut Digital Literacy Pro (0185)</a>
8228 Fundamentals of Video Game Design	<a href="#">Motion Graphics Artist (0602)</a>	<a href="#">Game Development Fundamentals (4615)</a>	<a href="#">Autodesk 3ds Max (2759)</a> <a href="#">Autodesk Maya Certified User (2758)</a>	Tosa AutoDesk AutoCAD (0123)		

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8153 Fundamentals of Web Design		Business Web Page Design I (0326) Business Web Page Design II (0327)	ACP Web Authoring using Adobe Dreamweaver (0993)	Tosa Word Press (0127)		<b>CIW:</b> Site Development Associate (0254) <b>IE Class:</b> Web Design Certification (0325)
8245 Gaming Development Fundamentals		Game Development Fundamentals (4615)				
8873 Google Tools		Business Office Specialist (0202) Word Processing (0151)		TOSA DIGCOMP (0129) TOSA Google Slides (0116) TOSA Google Docs (0117) TOSA Google Sheets (0118) TOSA CyberCitizen (0119) TOSA CyberCitizen Jr. (0192)		<b>Proctor U:</b> Google Workspace (0142)
8187 Installing and Maintaining Desktop Applications		Computer Technology I (0902) Computer Technology II (0903)	ITS – Device Configuration and Management (1738)			<b>CompTIA:</b> Linux+ (1301) Network+ (0952) <b>Microsoft:</b> MCP: Installing & Configuring Windows 10 (0698) <b>TestOut:</b> Linux Pro (1124) <b>LPI:</b> Linux Essentials (1152)
8213 Interactive Marketing Techniques				TOSA Photoshop (0132)		<b>CIW:</b> Site Development Associate (0254) <b>Adobe:</b> ACP Web Authoring using Adobe Dreamweaver (0993) ACP Visual Design Using Adobe Photoshop (0992)
8239 Intermediate Android Development						<b>ExpertRating:</b> Google Android 1.0 Programming Test (*)



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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
Intermediate Sound Production	Producer (0604)					<b>Apple:</b> Certified Pro: Logic (0294) <b>Avid:</b> Media Composer Certified User (1736)
8225 Introduction to Programming		Computer Programming I (0210) Computer Programming II Java (0211)	ITS Software Development (1726)	TOSA Python (0126) TOSA Python Jr. (0126) TOSA JavaScript (0122)		<b>Oracle:</b> Java SE 11 Developer (0233) Certified Associate Java (1726)  <b>CIW:</b> Java Script Specialist (0240)  <b>OU:</b> Code Sooner (0207)  <b>Python Institute:</b> PCEP – Certified Entry-Level Python Programmer (1511) PCAP – Certified Associate Python Programmer (1516)
Introduction to Transaction Technology						<b>ETA:</b> Gaming and Vending Technician (GVT) (0249)
8255 Internet of Things (IOT) Fundamentals		Network Fundamentals (1151) Computer Programming II Python (0208)		TOSA Python (0126) TOSA Python Jr (0126)		<b>CompTIA:</b> A+ Core 1 and Core 2 (1504) <b>Cisco:</b> End of Course Exam (1107) <b>CertNexus:</b> Certified Ethical Emerging Technologies (0998)  <b>Python Institute:</b> PCEP – Certified Entry-Level Python Programmer (1511) PCAP – Certified Associate Python Programmer (1516)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8252 IT Essentials	Computer Networking Technician (1001)	Computer Systems I (1402) Computer Technology I (0902) Computer Technology II (0903)				<b>CompTIA (Choose 1):</b> IT Fundamentals (0246) A+ Core 1 and Core 2 (1504) <b>TestOut:</b> IT Fundamentals Pro (0271)
8230 JAVA Programming		Computer Programming II Java (0211)		TOSA JavaScript (0122)		<b>Oracle:</b> Java SE 11 Developer (0233)
8216 Layout Design Techniques	Production Artist (4114)	Commercial Art II (0628)		TOSA Photoshop (0132)		<b>Adobe:</b> ACP Visual Design Using Adobe Photoshop (0992)
8236 Managing and Analyzing Data Using ArcGIS						<b>ESRI:</b> ArcGIS Desktop Associate (*)
8143 Modeling Languages						<b>CIW:</b> Database Design Specialist (0242) <b>CompTIA:</b> Data+ (4581)
8150 Multimedia and Image Management Techniques	Production Assistant (0603) Graphic Designer (4112) Illustrator (4113)	Digital Graphics Arts I (4160) Digital Media II (4162) Television Broadcasting I (1754) Television Broadcasting II (1755)		TOSA Adobe Illustrator (0131) TOSA Adobe Photoshop (0132) TOSA Adobe InDesign (0130)		<b>Adobe:</b> ACP Graphic Design & Illustration Using Adobe Illustrator (0297) ACP Visual Design Using Adobe Photoshop (0992)
MySQL						<b>Oracle Certified Associate:</b> Database 11g: SQL Fund I (0232) Database 12c: SQL Fund (0307) <b>CompTIA:</b> Data+ (4581)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
<b>8121 Network/Client Operating Systems</b>	Computer Networking Technician (1001)	Network Fundamentals (1151)	AZ-900 Microsoft Azure Fundamentals (0695)			<b>Microsoft:</b> Installing and Configuring Windows 10 (0698) MCP: Installing and Configuring Windows Server 2012 (0213) <b>TestOut:</b> IT Fundamentals Pro (0271) Linux Pro (1124) Server Pro (0284) Network Pro (0324) <b>ETA:</b> NCT (0323) <b>CompTIA:</b> Network+(0952) Linux+(1301) IT Fundamentals (0246) Cloud Essentials+ (1721) <b>LPI:</b> Linux Essentials (1152)
<b>8123 Network Management Administration</b>	Computer Networking Technician (1001)	Network Fundamentals (1151)				<b>CompTIA:</b> Network+ (0952) Security+ (1707)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8131 Network Security				TOSA CyberCitizen (0119) TOSA CyberCitizen Jr. (0192)		<b>CompTIA:</b> Security+ (1707) Network+ (0952) CySA+ (0986) Pentest + (0191) <b>GIAC:</b> Information Security Fundamentals (GISF) (0659) System and Network Auditor (GSNA) (0658) Security Essentials Certification (GSEC)(0250) <b>Electronic Commerce (EC):</b> Certified Ethical Hacker (CEH) (0258) <b>Cisco:</b> CCNA CyberOps: Under Cisco CyberSec Fund (1302) <b>TestOut:</b> CyberDefensePro (0985) <b>(ISC)2:</b> Certified in Cyber (0983)
8223 Network Security Awareness		Network Fundamentals (1151)				<b>CompTIA:</b> A+ Core 1 and Core 2 (1504) Network+ (0952) Security+ (1707) <b>GIAC:</b> System and Network Auditor (GSNA)(0658) <b>EC Council:</b> Certified Ethical Hacking (CEH) (0258)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8192 Non-Linear Digital Editing	Editor (0601) Motion Graphics Artist (0602)			Adobe Premier Pro (0120)		<b>Adobe:</b> ACP Digital Video Using Adobe Premiere Pro (0995) ACP Visual Effects & Motion Graphics using Adobe After Effects (0997) <b>Apple:</b> Certified Associate Final Cut Pro (0295)
8189 Non-Linear Digital Production	Producer (0604) Motion Graphics Artist (0602)			Adobe Premier Pro (0120)		<b>Adobe:</b> ACP Digital Video Using Adobe Premiere Pro (0995) ACP Visual Effects & Motion Graphics using Adobe After Effects (0997) ACP Multiplatform Animation using Adobe Animate (0996)
8182 Operating System/Command Line						<b>CompTIA:</b> Network+ (0952) Linux+ (1301) <b>TestOut:</b> Linux Pro (1124) <b>Microsoft:</b> MCP: Implementing Desktop Infrastructure (0220) <b>LPI:</b> Linux Essentials (1152)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8220 Principles of Animation	3D Animator (0606)	3D Animation I (0607)		Tosa AutoDesk AutoCAD (0123)		<b>Adobe:</b> ACP Visual Effects & Motion Graphics using Adobe After Effects (997) ACP Multiplatform Animation using Adobe Animate (0996) <b>Autodesk:</b> 3ds Max Certified User (2759)
8130 Principles of Information Assurance			ITS-Network Security (1718)			<b>CompTIA:</b> Network+ (0952) IT Fundamentals (0245) <b>TestOut:</b> IT Fundamentals Pro (0271)
8222 Programming Fundamentals		Computer Programming I (0210) Computer Programming II Java (0211)	ITS – Software Development (1726)	TOSA JavaScript (0122) TOSA Python (0126) TOSA Python Jr. (0126)		<b>Oracle:</b> Certified Associate- Java (1506) <b>AP:</b> Computer Science Exam (HS)(1727)
8871 Python		Computer Programming II Python (209)	ITS: Python (272)	TOSA Python (0126) TOSA Python Jr. (0126)		<b>OpenEDG Python Institute:</b> PCAP – Certified Associate in Python Programming (*) <b>Python Institute:</b> PCEP – Certified Entry-Level Python Programmer (1511) PCAP – Certified Associate Python Programmer (1516)
8186 Regulatory Compliance and Auditing						<b>EC- Council:</b> Certified Ethical Hacker (CEH) (0258) <b>GIAC:</b> Security Leadership (GSLC) (0251) <b>(ISC)2:</b> System Security Certified Prac. (SSCP) (0260)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8196 Remote/Field Production	Producer (0604)			TOSA Adobe Premiere Pro (0120)		<b>Adobe:</b> ACP Digital Video Using Adobe Premiere Pro (995) <b>Apple Certified Associate:</b> Final Cut Pro (0295)
Residential & Commercial Wiring Systems						<b>Electronics Technician Association (ETA) (Choose1):</b> RESI (Audio/Video) (0248) Residential Electronic System Integrator (0247) CAST Certified Alarm Security Technician (0303)
8125 Routing and Switching I	Computer Networking Technician (1001)	Network Fundamentals (1151)				<b>Cisco:</b> CCNA (200-301 CCNA) (1114) <b>CompTIA:</b> Network+ (0952) <b>ETA:</b> (NST) Network System Tech (1126)
8126 Routing Switching II	Computer Networking Technician (1001)	Network Fundamentals (1151)				<b>Cisco:</b> CCNA (200-301 CCNA) (1114)
Routing and Switching III	Computer Networking Technician (1001)	Network Fundamentals (1151)				<b>Cisco:</b> CCNA (200-301 CCNA) (1114) CCNA CyberOps: Under Cisco CyberSec Fund (1302) CCNA CyberOps: Implm <b>TestOut:</b> CyberDefensePro (0985) <b>CompTIA:</b> CySA+ (0986) Pentest + (0191) <b>(ISC)2:</b> Certified in Cyber (0983)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
Routing and Switching IV	Computer Networking Technician (1001)	Network Fundamentals (1151)				<b>Cisco:</b> CCNA (200-301 CCNA) (1114) Cisco Certified CyberOps Associate (200-201 CBROPS) (1302) <b>TestOut:</b> CyberDefensePro (0985) <b>CompTIA:</b> CySA+ (0986) Pentest + (0191) <b>(ISC)2:</b> Certified in Cyber (0983)
Routing, Switching, and WAN Technologies	Computer Networking Technician (1001)	Network Fundamentals (1151)	ITS - Networking (1150)			<b>Cisco:</b> CCNA (200-301 CCNA) (1114)
8159 Scripting Language Fundamentals		Computer Programming I (0210) Computer Programming II C++ (0241) Computer Programming II Java (0211) Computer Programming II C# (0236)	ITS - Software Development (1726) ITS – HTML5 Application Development (1724)	TOSA Python (0126) TOSA Python Jr (0126) TOSA Web Developer (0121) TOSA JavaScript (0122)		
8133 Secure Electronic Commerce						<b>GIAC:</b> Security Leadership Certification (GSLC) (0251) Security Essentials Certification (GSEC)(0250) <b>(ISC)2:</b> System Security Certified Prac. (SSCP) (0260) <b>Comptia:</b> Cloud Essentials+ <b>TestOut:</b> Ethical Hacker Pro (0990)



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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8246 Security Fundamentals			ITS-Network Security (1718)	TOSA CyberCitizen (0119) TOSA CyberCitizen Jr. (0192)		<b>CompTIA:</b> Security+ (1707) Network+ (0952) <b>GIAC:</b> Information Security Fundamentals (GISF) (0659) <b>EC:</b> Certified Ethical Hacker (CEH) (0258)
8185 Server Infrastructure Design						<b>Microsoft MCP:</b> Designing and Implementing a server Infrastructure (0220) Configuring Advanced Server 2012 Services (0218) <b>CompTIA:</b> Server+ (0955)
8122 Server Operating Systems			AZ-900 -Azure Cloud Fundamentals (0695)			<b>Microsoft:</b> Configuring Advanced Server 2012 Services (0218) <b>CompTIA:</b> Server+ (0955) Cloud Essentials+ (1721) <b>TestOut:</b> Server Pro 2016: Identity Linux Pro (1124) <b>LPI:</b> Linux Essentials (1152)
8163 Software Configuration Management		Computer Technology I (0902) Computer Technology II (0903)	ITS – Software Development (1726)			
8141 SQL & PL/SQL Database						<b>Oracle Certified Associate:</b> Oracle 11g Advanced PL/SQL (0227) Database 11g: Program with PL/SQL (0228) <b>CompTIA:</b> Data+ (4581)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
Storage Networking Technologies and Virtualization						<b>CompTIA:</b> Storage+ (4553)
Storage Security and Management						<b>CompTIA:</b> Security+ (1707) Network+ (0952)
Storage Systems						<b>CompTIA:</b> Storage+ (4553)
8195 Studio Production	Producer (0604)	Video Production I (1752) Video Production II (1753)		Adobe Premier Pro (0120)		<b>Apple Certified Associate:</b> Logic Pro (0294) <b>Adobe:</b> ACP Digital Video Using Adobe Premiere Pro (995)
8161 System Analysis, Design and Testing				TOSA JavaScript (0122)		<b>Oracle:</b> Certified Associate Java (1506)
8167 Visual Basic .NET Programming						<b>Microsoft:</b> .NET Fundamentals (0299)
Virtualization and Cloud Storage (For Technology Centers Only)						
8218 Web Application Development (For Technology Centers Only)						
8212 Web Application Technologies				TOSA JavaScript (0122)		<b>CIW:</b> Java Script Specialist (0240)
8210 Web Authoring Languages				TOSA Web Developer (0121)		<b>CIW:</b> Site Developer Associate (0254) <b>Web Professionals:</b> Certified Internet Professionals: Certified Web Designer Apprentice (CWDA)(4157) <b>W3C Schools:</b> HTML (0317) CSS(0318)

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	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
8211 Web Authoring Tools			ITS – HTML and CSS (1723)			<b>Adobe:</b> ACP Web Authoring using Adobe Dreamweaver (0993) <b>CIW:</b> Web Foundation Associate (0300)
8157 Web Scripting Foundations		Web Development I (1756) Web Development II (1757)	ITS - Java(0235)	TOSA JavaScript (0122)		<b>CIW:</b> Java Script Specialist (0240) <b>Web Professional:</b> Certified Web Developer Associate (CWDVA)(0269) Certified Web Administrator Associate (CWAA) (0270)
Windows Development Fundamentals			ITS – Device Configuration and Management (1738)			
8250 Windows Operating System Fundamentals			ITS – Device Configuration and Management (1738)			
8244 Windows Server Administration Fundamentals			AZ-900 Azure Cloud Fundamentals (0695)			<b>CompTIA:</b> Server+ (0955) <b>CompTIA:</b> Cloud Essentials+ (1721)

Approved Assessment List: <http://www.okcareertech.org/educators/assessments-and-testing/testing>

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
<b>8617-Advanced Entrepreneurship</b>	Entrepreneur (0911) Workplace Readiness Skills (0454)	Entrepreneurship (0915)	ESB Entrepreneurship & Small Business (0912)			<b>MBA Research: A*S*K*</b> Concepts of Entrepreneurship  Concepts of Business Management
<b>8612-Advertising Strategies</b>	Graphic Designer (4112) Illustrator (4113) Production Artist (4114)	Digital Marketing (0552)				<b>MBA Research: A*S*K*</b> Fundamental Marketing Concepts (0540)
<b>8254-Business Foundations</b>	Workplace Readiness Skills (0454) Job Seeking & Retention Skills (0455)	Exploring Computer Science (1725) Exploring Business & Marketing (0916) 21 <sup>st</sup> Century Success Skills (0448) Preparing for College & Careers (0447)				
<b>8611-Business &amp; Marketing Communications</b>		Business Communication I (0170) Business Communication II (0171)				<b>MBA Research: A*S*K*</b> Fundamental Business Concepts (0166)
<b>8606-Business Management &amp; Supervision</b>	Manager Trainee (0503)	Business Management (0163) Retailing (0570)				<b>MBA Research: A*S*K*</b> Concepts of Entrepreneurship  Concepts of Business Management
<b>8625-Buying &amp; Merchandising</b>	Marketing Fundamentals (0502)	Fashion Design Merchandising I (0575) Retailing (0570)				<b>MBA Research: A*S*K*</b> Fundamental Marketing Concepts (0540)  <b>National Retail Federation:</b> Retail Industry Fundamentals Specialist (0571)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
<b>8605-Customer Service</b>	Manager Trainee (0503)	Customer Service (0449)				<b>MBA Research: A*S*K*</b> Fundamental Business Concepts (0166)  <b>National Retail Federation:</b> Customer Service & Sales (0452)
<b>8628-Digital Marketing</b>	Marketing Fundamentals (0502)	Digital Marketing (0552)  Digital Business Applications (0563)	Meta Certified Digital Marketing Associate (0106)			<b>MBA Research: A*S*K*</b> Fundamental Marketing Concepts (0540)
<b>8619-E-Commerce Marketing</b>	Marketing Fundamentals (0502)	Retailing (0570)				<b>MBA Research: A*S*K*</b> Fundamental Marketing Concepts (0540)
<b>8623-Employment Essentials</b>	Workplace Readiness Skills (0454)  Job Seeking & Retention Skills (0455)	21 <sup>st</sup> Century Success Skills (0448)  Business Communication I (0170)				<b>MBA Research: A*S*K*</b> Fundamental Marketing Concepts (0540)  Fundamental Business Concepts (0166)  <b>ACT WorkKeys:</b> National Career Readiness (5501, 5502, 5504)
<b>8620-Entrepreneurship Awareness</b>	Entrepreneur (0911)  Workplace Readiness Skills (0454)	Entrepreneurship (0915)  21 <sup>st</sup> Century Success Skills (0448)  Business Communication I (0170)	ESB Entrepreneurship & Small Business (0912)			<b>MBA Research: A*S*K*</b> Concepts of Entrepreneurship  Concepts of Business Manager
<b>8112-Entrepreneurship: Business Development</b>	Entrepreneur (0911) Workplace Readiness Skills (0454)	Entrepreneurship (0915)				<b>MBA Research: A*S*K*</b> Fundamental Business Concepts (0166)
<b>8113-Entrepreneurship: Business Management</b>	Entrepreneur (0911)  Workplace Readiness Skills (0454)	Business Management (0163)				<b>MBA Research: A*S*K*</b> Concepts of Entrepreneurship  Concepts of Business Manager  <b>National Retail Federation:</b> Retail Industry Fundamentals Specialist (0571)

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OCAS/Course Name	Approved Certification Options					
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<b>8616-Entrepreneurship</b>	Entrepreneur (0911) Workplace Readiness Skills (0454)	Entrepreneurship (0915) Business Communication I (0170)	ESB Entrepreneurship & Small Business (0912)			MBA Research: A*S*K* Concepts of Entrepreneurship  Concepts of Business Management
<b>8629-Ethical Leadership</b>		Business Leadership I (0954)				MBA Research: A*S*K* Fundamentals of Ethics (0953)
<b>8627-Global Markets &amp; Trade</b>		Marketing I (0558) Marketing II (0559)				
<b>8618-International Business &amp; Marketing</b>	Manager Trainee (0503)	Economics (0506)				MBA Research: A*S*K* Concepts of Entrepreneurship  Concepts of Business Management
<b>8614-Intro to Business/Marketing</b>		Marketing Fundamentals (0507)				MBA Research: A*S*K* Fundamental Business Concepts (0166)  Concepts of Entrepreneurship  Concepts of Business Management  Fundamental Marketing Concepts (0540)
<b>8179-Intro to Entrepreneurship</b>	Entrepreneur (0911)	Entrepreneurship (0915) Business Concepts (0576) Business Law (0104)	ESB Entrepreneurship & Small Business (0912)			
<b>8615-Marketing Economics</b>		Economics (0506)				MBA Research: A*S*K* Fundamental Business Concepts (0166)  Concepts of Entrepreneurship  Concepts of Business Management  Fundamental Marketing Concepts (0540)

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OCAS/Course Name	Approved Certification Options					
	ODCTE	YouScience	Certiport	TOSA Isograd	iCEV	National Certifications
<b>8602-Marketing Fundamentals</b>	Marketing Fundamentals (0502)	Marketing Fundamentals (0507)				<b>MBA Research: A*S*K*</b> Fundamental Marketing Concepts (0540)
<b>8613-Marketing Research</b>		Marketing I (0558) Marketing II (0559)				<b>MBA Research: A*S*K*</b> Fundamental Marketing Concepts (0540)
<b>8150 – Multimedia and Image Management Techniques</b>	Production Assistant (0603) Graphic Designer (4112) Illustrator (4113)	Graphic Print Design I (4160) Digital Media II (4162) Television Broadcasting I (1754) Television Broadcasting II (1755)		TOSA Adobe Illustrator (0131) TOSA Adobe Photoshop (0132) TOSA Adobe InDesign (0130)		ACP Graphic Design & Illustration Using Adobe Illustrator (0297) ACP Visual Design Using Adobe Photoshop (0992)
<b>8624-Product &amp; Service Sales</b>	Marketing Fundamentals (0502)	Marketing II (0559) Retailing (0570)				<b>MBA Research: A*S*K*</b> Fundamental Marketing Concepts (0540)
<b>8608-Professional Sales</b>	Marketing Fundamentals (0502)	Marketing II (0559) Retailing (0570)				<b>MBA Research: A*S*K*</b> Fundamental Marketing Concepts (0540)
<b>8621-Public Relations Marketing</b>		Business Communication II (0171)				
<b>8607-Sales &amp; Sales Promotion</b>	Marketing Fundamentals (0502)	Retailing (0570)				<b>MBA Research:</b> Fundamental Marketing Concepts (0540)
<b>8610-Sports &amp; Entertainment Marketing</b>		Sports and Entertainment Marketing (0105)				

To access the complete approved assessment list from the *CareerTech* Testing Center or to request that a new assessment be added visit:

<https://oklahoma.gov/careertech/testing-center/ok-competency-testing.html>