CareerTech

OCAS Subject Codes
July 1, 2016 – June 30, 2017

Oklahoma Department of Career & Technology Education

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Agriculture Education
OCAS Subject Codes for FY17 - COURSES

AGRICULTURE EDUCATION

8001	Agricultural Exploration and Orientation (One year program)	C
8002	Agriscience Exploration and Orientation (1 semester)	C
8003	Agriscience Exploration and Orientation (1 quarter year)	C
8004	Introduction to Agriscience	C
8005	Agriscience II	C
8006	Introduction to Plant and Soil Science	C
8007	Agriculture Crop Production	C
8008	Advanced Biological Plant Science	C
8009	Introduction to Agricultural Power and Technology	C
8010	Agricultural Power and Technology	C
8011	Agricultural Structures	C
8012	Introduction to Animal Science	C
8013	Livestock Production	C
8014	Small Animal Care and Veterinary Assisting	C
8015	Equine Science	C
8016	Advanced Biological Animal Science	C
8017	Introduction to Food Science	C
8018	Food and Biotechnology	C
8019	Introduction to Agribusiness Management	C
8020	Agricultural Sales and Marketing	C
8021	Employment in Agribusiness (Senior Course Only)	C
8022	Introduction to Agricultural Communications	C
8023	Agricultural Leadership and Personal Development	C
8024	Print and Broadcast Journalism in Agricultural Communication	C
8025	Introduction to Natural Resources and Environmental Science	C
8026	Pasture and Range Management	C
8027	Wildlife Science and Management	C
8028	Forestry	C
8029	Introduction to Horticulture	C
8030	Greenhouse Production and Floral Design	C
8031	Landscape and Nursery Production	C

Offered to adult students in technology centers only	**A**
Offered to secondary and adult students in technology centers or comprehensive schools	**B**
Offered to secondary students in comprehensive schools only	**C**

Business and Information Technology
OCAS Subject Codes for FY17 - COURSES

BUSINESS AND INFORMATION TECHNOLOGY

8101	Business and Computer Technology	OHLAP	B
8102	Business Information Technology Internship		C
8103	Fundamentals of Administrative Technologies	OHLAP	B
8104	Administrative Technologies II	OHLAP	B
8105	Office Administration & Management	OHLAP	B
8106	Career Major Capstone		B
8107	Accounting I		B
8108	Accounting II		B
8109	Computerized Accounting	OHLAP	B
8110	Payroll Accounting		B
8111	Financial Accounting		B
8112	Entrepreneurship: Business Development		B
8113	Entrepreneurship: Business Management		B
8114	Human Resources Concepts		B
8115	Employee and Labor Relations		B
8118	Business & Personal Finance		B
8120	Banking & Financial Services		B
8121	Network/Client Operating Systems	OHLAP	B
8122	Server Operating Systems	OHLAP	B
8123	Network Management	OHLAP	B
8124	Fundamentals of Linux/Unix	OHLAP	B
8125	Routing and Switching I	OHLAP	B
8126	Routing and Switching II	OHLAP	B
8127	Telcom and Network Cabling		B
8128	Advanced Routing and Remote Access Networks		B
8129	Multilayer Switching and Internetwork Support		B
8130	Principals of Information Assurance	OHLAP	B
8131	Network Security	OHLAP	B
8132	Enterprise Security Management	OHLAP	B
8133	Secure Electronic Commerce	OHLAP	B
8134	Cyber Forensics	OHLAP	B
8136	Computer Repair and Troubleshooting I	OHLAP	B
8137	Computer Repair and Troubleshooting II	OHLAP	B
8138	Computer Repair and Troubleshooting III		B
8139	Fundamentals of Database Development	OHLAP	B
8140	Database Design and Programming	OHLAP	B
8141	SQL and PL/SQL Database Applications Development	OHLAP	B
8142	Database Administration	OHLAP	B
8143	Modeling Languages		B
8144	Forms Development	OHLAP	B
8149	Desktop Publishing and Graphic Design	OHLAP	B
8150	Multimedia & Image Management Techniques	OHLAP	B
8151	Digital Editing and Production Photography		B
8153	Fundamentals of Web Design	OHLAP	B
8154	Design Tools and Electronic Marketing Strategies	OHLAP	B
8155	Advanced Design Techniques	OHLAP	B
8156	Advanced Digital Animation	OHLAP	B

BUSINESS AND INFORMATION TECHNOLOGY

8157	Web Scripting Foundations	OHLAP	B
8158	E-Commerce Site Production		B
8159	Scripting Language Fundamentals	OHLAP	B
8160	Advanced Programming	OHLAP	B
8161	Systems Analysis, Design and Testing	OHLAP	B
8162	Advanced Scripting Languages	OHLAP	B
8163	Software Configuration Management	OHLAP	B
8164	Business Communications & Project Management		B
8165	C++ Programming	OHLAP	B
8166	C# Programming	OHLAP	B
8167	Visual Basic .NET Programming	OHLAP	B
8168	User Interface Design	OHLAP	B
8169	Fundamentals of Technology	OHLAP	B
8170	Bilingual Interpersonal Communications I		B
8177	Business Communications		B
8178	Personal Finance		B
8179	Introduction to Entrepreneurship		B
8180	Math of Finance		B
8182	Operating System/Command Line	OHLAP	B
8183	Planning and Maintaining Server Network Infrastructure		B
8184	Active Directory Infrastructure	OHLAP	B
8185	Server Infrastructure Design	OHLAP	B
8186	Regulatory Compliance and Auditing	OHLAP	B
8187	Installing and Maintaining Desktop Applications		B
8189	Non-Linear Digital Production		B
8190	Advanced Digital Video Tools and Techniques		B
8191	Digital Media Production		B
8192	Non-Linear Digital Editing		B
8193	Audio Production		B
8194	Broadcast Production		B
8195	Studio Production (IT)		B
8196	Remote/Field Production (IT)		B
8197	Advanced Effects for Motion Graphics		B
8203	Audio Tools and Techniques		B
8204	Intermediate Sound Production		B
8205	Advanced Animation Techniques		B
8206	2D Animation Techniques		B
8207	Fundamentals of 3D Motion Graphics		B
8208	3D Animation		B
8209	3D Modeling and Rigging Techniques		B
8210	Web Authoring Languages		B
8211	Web Authoring Tools		B
8212	Web Application Technologies		B
8213	Interactive Marketing Techniques		B
8214	Flash Application Development		B
8215	Advanced Flash Application Development		B
8216	Layout Design Techniques		B

Business and Information Technology
OCAS Subject Codes for FY17 - COURSES

BUSINESS AND INFORMATION TECHNOLOGY

8217	Server-Side Scripting		B
8218	Web Application Development		B
8219	Advanced Computer Applications for the Law office	OHLAP	B
8220	Principles of Animation		B
8221	Event and Project Planning Management		B
8222	Programming Fundamentals		B
8223	Network Security Awareness		B
8224	Cross Platform Game Programming		B
8225	Basic Programming		B
8226	Resort and Tourism Management		B
8227	Business Management for Travel and Tourism		B
8228	Fundamentals of Video Game Design		B
8229	Customer Assistance		B
8230	JAVA Programming		B
8231	Non-Linear Editing II		B
8232	Video Animation		B
8233	Database Administration II		B
8234	Awareness of GPS/GIS		B
8235	Essential Skills for ArcGIS		B
8236	Managing and Analyzing Data using ArcGIS		B
8237	Editing, Visualizing and Sharing Data in ArcGIS Software		B
8238	Beginning Android Development		B
8239	Intermediate Android Development		B
8240	Database Administration Fundamentals		B
8241	Mobile Development Fundamentals		B
8242	Networking Fundamentals		B
8243	Web Development Fundamentals		B
8244	Windows Server Administration Fundamentals		B
8245	Gaming Development Fundamentals		B
8246	Security Fundamentals	OHLAP	B
8247	HTML5 Application Developer Fundamentals		B
8248	.NET Fundamentals		B
8249	Software Development Fundamentals		B
8250	Windows Operating System Fundamentals		B
8251	Foundations for the Legal Office		B
8252	IT Essentials	OHLAP	B
8253	Windows Development Fundamentals		B
8254	Business Foundations		C

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Family and Consumer Science
OCAS Subject Codes for FY17 - COURSES

FAMILY AND CONSUMER SCIENCE

8403	Parenting & Child Development	B
8404	Successful Adulthood: Personal Financial Literacy	B
8405	Nutrition, Food and Wellness	C
8406	Housing, Furnishings and Design Concepts	C
8407	Marriage & Family Life	C
8408	Lead Oklahoma	C
8409	Teach Oklahoma	B
8411	Tween Life	C
8412	Investigate FACS	C
8413	Overview of the Fashion Industry	B
8414	Career Orientation	C
8415	FACS Basics	C
8419	School and Community Partnership I	B
8420	School and Community Partnership II	B
8421	Food Preparation and Nutrition for Life	C
8422	Early Care Professionals	B
8425	Textiles and Apparel Assembly	B
8426	Culinary Basic Skills	B
8428	Culinary Advanced Skills	B
8434	FACS Basics A	C
8435	FACS Basics B	C
8438	Investigate FACS 30	C
8439	Investigate FACS 60	C
8440	Tween Life 30	C
8441	Tween Life 60	C
8443	Chemistry of Food	C
8446	FACSEd Capstone	B
8448	Introduction to Hospitality and Tourism	B
8449	Successful Adulthood: Surviving and Thriving	C
8450	Introduction to Lodging	B
8452	Leadership and Management	B
8453	Lodging Management I	B
8454	Lodging Management II	B
8456	Tween Life with Personal Financial Literacy	C
8459	Teaching and Learning in Elementary, Secondary, and Adult Education	B
8460	Touring Oklahoma	B
8461	Design Application and Analysis	C
8465	ECE: Pathway to National Credential	B
8466	Occupational Basic Design and Custom Sewing	C
8467	Occupational Intermediate Apparel Design and Custom Sewing	C
8468	Culinary Arts Internship I	B

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Health Careers
OCAS Subject Codes for FY17 - COURSES

HEALTH CAREERS

8551	Health Careers I		B
8552	Health Careers II		B
8553	Health Careers III		B
8554	Health Careers Capstone		B
8556	Sports Medicine		B
8557	Biomedical Technology		B
8558	Exercise Science		C
5220	Physiology	OHLAP	B
5333	Anatomy	OHLAP	B

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Marketing Education
OCAS Subject Codes for FY17 - COURSES

MARKETING EDUCATION

8602	Marketing Fundamentals	B
8605	Customer Service	B
8606	Business Management and Supervision	B
8607	Sales and Sales Promotion	B
8608	Professional Sales	B
8611	Business and Marketing Communications	B
8612	Advertising Strategies	B
8613	Marketing Research	B
8614	Intro to Business/Marketing	B
8615	Marketing Economics	B
8616	Entrepreneurship	B
8617	Advanced Entrepreneurship	B
8618	International Business and Marketing	B
8619	E-Commerce Marketing	B
8620	Entrepreneurship Awareness	B
8621	Public Relations Marketing	B
8622	Marketing Internship	B
8623	Employment Essentials	B
8624	Product & Service Sales	B
8625	Buying and Merchandising	B
8627	Global Markets and Trade	B
8628	Digital Marketing	B

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Science, Technology, Engineering & Mathematics
OCAS Subject Codes for FY17 - COURSES

SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS

Code	Course		
8701	Survey of Biotechnology		B
8702	Biotechnology I		B
8703	Biotechnology II		B
8704	Advanced Biotechnology I		B
8705	Biotechnology Capstone		B
8706	PLTW Principles of Biomedical Science	OHLAP	B
8707	PLTW Human Body Systems	OHLAP	B
8708	PLTW Medical Interventions	OHLAP	B
8709	Introduction to Engineering Design	OHLAP	B
8710	Principles of Engineering	OHLAP	B
8711	PLTW Digital Electronics	OHLAP	B
8712	PLTW Computer Integrated Manufacturing	OHLAP	B
8713	PLTW Civil Engineering and Architecture		B
8714	PLTW Biotechnical Engineering	OHLAP	B
8715	PLTW Aerospace Engineering	OHLAP	B
8716	PLTW Engineering Design and Development		B
8717	Advanced Biotechnology II		B
8718	Biomedical Health Careers		B
8719	PLTW Biomedical Innovation	OHLAP	B
8801	Tech Engineering I (9 Weeks)		C
8802	Tech Engineering I (Semester)		C
8803	Tech Engineering I (1 Year)		C
8805	Tech Connect Agriculture, Food and Natural Resources - (Semester)		C
8806	Tech Connect Architecture & Construction - (Semester)		C
8807	Tech Connect Arts, A/V Technology and Communications - (Semester)		C
8808	Tech Connect Information Technology - (Semester)		C
8809	Tech Connect Law, Public Safety and Security - (Semester)		C
8810	Tech Connect Manufacturing - (Semester)		C
8811	Tech Connect Transportation, Distribution and Logistics - (Semester)		C
8812	Tech Connect Science, Technology, Engineering and Mathematics - (Semester)		C
8813	Tech Connect Diversified Programs - (Semester)		C
8816	Tech Connect Agriculture, Food and Natural Resources - (1 Year)		C
8817	Tech Connect Architecture & Construction - (1 Year)		C
8818	Tech Connect Arts, A/V Technology and Communications - (1 Year)		C
8819	Tech Connect Information Technology - (1 Year)		C
8820	Tech Connect Law, Public Safety and Security - (1 Year)		C
8821	Tech Connect Manuracturing - (1 Year)		C
8822	Tech Connect Transportation, Distribution and Logistics - (1 Year)		C
8823	Tech Connect Science, Technology, Engineering and Mathematics - (1 Year)		C
8824	Tech Connect Diversified Programs - (1 Year)		C
8825	TE Advanced Technological Applications		C
8826	TE Advanced Design Applications		C
8827	TE Engineering Design		C
8828	TE Foundations of Technology		C
8829	Tech Connect Individual Coop Education		C
8830	PLTW Gateway I (9 Weeks)		C
8831	PLTW Gateway I (Semester)		C
8832	PLTW Gateway I (1 Year)		C
8833	TE Robotics Engineering		C
8834	TE Robotics Engineering and Automation		C

SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS

8835	PLTW Gateway II (9 Weeks)		C
8836	PLTW Gateway II (Semester)		C
8837	PLTW Gateway II (1 Year)		C
8838	PLTW Gateway III (9 Weeks)		C
8839	PLTW Gateway III (Semester)		C
8840	PLTW Gateway III(1 Year)		C
8841	Tech Engineering II (9 Weeks)		C
8842	Tech Engineering II (Semester)		C
8843	Tech Engineering II (1 Year)		C
8844	Tech Engineering III (9 Weeks)		C
8845	Tech Engineering III (Semester)		C
8846	Tech Engineering III (1 Year)		C
8847	TE Technology and Society		C
8848	TE Technological Design		C
8849	TE Science and Technical Visualization 1		C
8850	TE Science and Technical Visualization 2		C
8851	PLTW Computer Science and Software Engineering	OHLAP	B
8852	PLTW Introduction to Computer Science (Semester)		B
8853	PLTW Computer Science Applications		B
8854	PLTW Environmental Sustainability		B
4412	Algebra II	OHLAP	B
4520	Geometry	OHLAP	B
4611	Pre-Calculus		
4612	Calculus	OHLAP	B
4615	AP Calculus AB	OHLAP	B
4616	AP Calculus BC	OHLAP	B
4750	Trigonometry	OHLAP	B
4760	AP Statistics	OHLAP	B
5035	AP Biology	OHLAP	B
5051	Chemistry	OHLAP	B
5055	AP Chemistry	OHLAP	B
5121	AP Environmental Science	OHLAP	B
5211	Physics	OHLAP	B
5213	AP Physics I	OHLAP	B
5214	AP Physics II	OHLAP	B
5215	AP Physics B	OHLAP	B
5216	AP Physics C-Mechanics	OHLAP	B
5217	AP Physics C-Electricity & Magnetism	OHLAP	B
5336	Microbiology		B
	Offered to adult students in technology centers only		A
	Offered to secondary and adult students in technology centers or comprehensive schools		B
	Offered to secondary students in comprehensive schools only		C

Trade and Industrial Education
OCAS Subject Codes for FY17 - COURSES

TRADE AND INDUSTRIAL EDUCATION

8901	Advanced Desktop Publishing and Graphic Design	OHLAP	B
8902	Advanced Web and Animation Design	OHLAP	B
8903	Architectural Computer Aided Drafting and Design	OHLAP	B
8904	Engineering Computer Aided Drafting and Design	OHLAP	B
8905	Fundamentals of Computer Aided Drafting and Design	OHLAP	B
8906	Manufacturing Computer Aided Drafting and Design	OHLAP	B
8907	TCP Automotive IA (Two Hour)		C
8908	TCP Automotive IB (Two Hour)		C
8909	TCP Automotive IIA (Three Hour)		C
8910	TCP Automotive IIB (Three Hour)		C
8915	TCP Carpentry IA (Two Hour)		C
8916	TCP Carpentry IB (Two Hour)		C
8917	TCP Carpentry IIA (Three Hour)		C
8918	TCP Carpentry IIB (Three Hour)		C
8921	TCP-Cosmetology I		C
8922	TCP-Cosmetology I-A		C
8923	TCP-Cosmetology II		C
8924	TCP-Cosmetology II-A		C
8925	TCP-Cosmetology III		C
8926	TCP-Cosmetology III-A		C
8927	TCP-Cosmetology IV		C
8928	TCP-Cosmetology IV-A		C
8929	TCP Welding IA (Two Hour)		C
8930	TCP Welding IB (Two Hour)		C
8931	TCP Welding IIA (Three Hour)		C
8932	TCP Welding IIB (Three Hour)		C
8935	TechConnect Plus Law Enforcement IA (Two Hour)		C
8936	TechConnect Plus Law Enforcement IB (Two Hour)		C
8937	TechConnect Plus Law Enforcement IIA (Three Hour)		C
8938	TechConnect Plus Law Enforcement IIB (Three Hour)		C
8939	Theory of CAD		B
8940	Workforce Connection		B
8941	Workforce Induction		B
8942	Workforce Staging		B

Offered to adult students in technology centers only	**A**
Offered to secondary and adult students in technology centers or comprehensive schools	**B**
Offered to secondary students in comprehensive schools only	**C**

Agriculture, Food and Natural Resources Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

AGRICULTURE, FOOD AND NATURAL RESOURCES

9001	Agriculture and Machinery Repair Technician	B
9002	Equine Science	B
9003	Floriculture Design	B
9004	Horticulture	B
9005	Landscape Design/Maintenance	B
9007	Service Careers-Landscape	B
9008	Service Careers-Horticulture	B
9009	Agriculture and Machinery Repair Technician - Specialized	B
9010	Equine Science - Specialized	B
9011	Floriculture Design - Specialized	B
9012	Landscape Design/Maintenance - Specialized	B
9014	Service Careers-Horticulture - Specialized	B
9020	Horticulture - Specialized	B
9021	Service Careers-Landscape - Specialized	B
9022	Small Animal Care and Grooming	B
9023	Small Animal Care and Grooming - Specialized	B

Offered to adult students in technology centers only	**A**
Offered to secondary and adult students in technology centers or comprehensive schools	**B**
Offered to secondary students in comprehensive schools only	**C**

ARCHITECTURE AND CONSTRUCTION

9052	Finish Carpentry	B
9053	Carpentry	B
9054	Computer-Aided Drafting - Construction	B
9055	Construction and Architectural Design Academy	B
9056	Construction Welding	B
9057	Electricity	B
9058	Electrical Trades	B
9059	Heating, Ventilation, A/C	B
9061	Heavy Equipment Operator	B
9065	Masonry	B
9066	Masonry - Specialized	B
9067	Plumbing	B
9069	CNC Woodworking	B
9071	Service Careers-Building Maintenance	B
9073	Service Careers-Forklift Operation	B
9074	Construction Electronics	B
9075	Construction Electronics - Specialized	B
9076	Service Careers-Building Maintenance - Specialized	B
9078	Carpentry - Specialized	B
9080	Heating, Ventilation, A/C - Specialized	B
9084	Computer-Aided Drafting - Construction - Specialized	B
9085	Electricity - Specialized	B
9086	Electrical Trades - Specialized	B
9089	Heavy Equipment Operator - Specialized	B
9090	CNC Woodworking - Specialized	B
9094	Finish Carpentry - Specialized	B
9095	Plumbing - Specialized	B
9098	Construction Technology	B
9099	Construction Technology - Specialized	B
9104	Construction Welding - Specialized	B
9105	Forklift Operator	B
9106	Forklift Operator - Specialized	B
9107	Service Careers Carpentry	B
9108	Service Careers Carpentry - Specialized	B
9109	Construction and Architectural Design Academy - Specialized	B
9110	Service Careers-Forklift Operation - Specialized	B

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Offered to secondary students in comprehensive schools only	**C**

Arts, A/V Technology and Communications Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

9127	Audio and Video Technology	B
9130	Commercial Photography	B
9132	Fashion and Apparel Design	B
9133	Graphic Communications	B
9134	Interior Design	B
9136	Printing Technology	B
9140	Web Design and Development	B
9141	Web Design and Development - Specialized	B
9144	Graphic Communications-Specialized	B
9150	Printing Technology - Specialized	B
9151	3D Gaming Designer	B
9152	3D Gaming Designer - Specialized	B
9156	Commercial Photography - Specialized	B
9168	Audio and Video Technology - Specialized	B
9169	Fashion and Apparel Design - Specialized	B
9170	Interior Design - Specialized	B

Offered to adult students in technology centers only	**A**
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Offered to secondary students in comprehensive schools only	**C**

Business Management and Administration Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

BUSINESS MANAGEMENT AND ADMINISTRATION

9202	Administrative Support	B
9204	Court Reporting	B
9205	Customer Service	B
9206	Entrepreneurship-BA	B
9207	Entrepreneurship-BA - Advanced	B
9208	Human Resources Management	B
9209	Human Resources Management - Advanced	B
9210	Administrative Support-Legal	B
9213	Administrative Support-Medical	B
9217	Administrative Support-Legal - Advanced	B
9218	Administrative Support-Medical - Advanced	B
9223	Court Reporting - Advanced	B
9226	Administrative Support - Advanced	B
9230	Business Information Management-Medical	B
9231	Business Information Management-Medical - Advanced	B
9232	Business Information Management	B
9233	Business Information Management - Advanced	B
9234	Customer Service - Advanced	B

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Offered to secondary students in comprehensive schools only	**C**

Education and Training Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

EDUCATION AND TRAINING

9241	Teaching/Training	B
9244	Teaching/Training - Specialized	B

Offered to adult students in technology centers only	**A**
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Finance Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

FINANCE

9254	Financial Services	B
9255	Banking Services	B
9258	Accounting	B
9259	Insurance Services	B
9260	Insurance Services - Specialized	B
9266	Accounting - Specialized	B
9267	Banking Services - Specialized	B
9268	Financial Services - Specialized	B

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Health Science Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

HEALTH SCIENCE

9301	Nursing Services	B
9302	Respiratory Services	A
9311	Dental Services	B
9312	Dental Hygiene	A
9314	Diagnostic Medical Sonographer	A
9317	Emergency Medical Services	B
9318	Paramedic	A
9321	Health Studies	B
9323	Licensed Practical Nurse	A
9326	Medical Services	A
9329	Behavioral Medicine	B
9331	Nursing Services - Advanced	B
9334	Pharmacy Services	B
9336	Physical Therapy Assistant	A
9338	Radiologic Technology	A
9341	Surgical Services	A
9343	Surgical Technologist (Accredited Program)	A
9345	Veterinary Services	B
9346	Vision Care Services	B
9358	Medical Imaging	B
9359	Vision Care Services - Advanced	B
9361	Dental Services - Advanced	B
9381	Occupational Therapy	A
9382	Rehabilitation Services	B
9383	Medical Imaging - Advanced	B
9388	Medical Services - Advanced	A
9397	Emergency Medical Services - Advanced	B
9398	Orthotics/Prosthetics	A
9400	Health Studies - Advanced	B
9401	Therapeutic Services	B
9402	Therapeutic Services - Advanced	B
9403	Behavioral Medicine - Advanced	B
9404	Pharmacy Services - Advanced	B
9405	Rehabilitation Services - Advanced	B
9406	Veterinary Services - Advanced	B

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HOSPITALITY AND TOURISM

9426	Culinary Arts	B
9427	Culinary Arts - Specialized	B
9428	Event Planning	B
9430	Lodging Services	B
9431	Lodging Services - Specialized	B
9434	Service Careers-Culinary Arts	B
9435	Service Careers-Lodging	B
9442	Service Careers-Culinary Arts - Specialized	B
9444	Event Planning - Specialized	B
9445	Service Careers-Lodging - Specialized	B
9446	Casino and Gaming	B
9447	Casino and Gaming - Specialized	B

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Human Services Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

HUMAN SERVICES

9477	Barber	B
9478	Cosmetology	B
9480	Early Care and Education	B
9481	Esthetician	B
9483	Manicurist/Nail Technology	B
9487	Barber - Specialized	B
9488	Cosmetology - Specialized	B
9489	Early Care and Education - Specialized	B
9490	Esthetician - Specialized	B
9491	Manicurist/Nail Technology - Specialized	B
	Offered to adult students in technology centers only	**A**
	Offered to secondary and adult students in technology centers or comprehensive schools	**B**
	Offered to secondary students in comprehensive schools only	**C**

Information Technology Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

INFORMATION TECHNOLOGY

9526	Animation Technology	B
9527	Animation Technology-Advanced	B
9530	Cyber Security	B
9531	Database Administration/Development	B
9532	Database Administration/Development-Advanced	B
9537	Digital Design and Publishing	B
9538	Digital Design and Publishing-Advanced	B
9540	Multimedia Technology	B
9541	Multimedia Technology-Advanced	B
9542	Computer/Network Support	B
9543	Computer/Network Support - Advanced	B
9547	Network Systems	B
9548	Network Systems-Advanced	B
9550	Programming	B
9551	Programming-Advanced	B
9552	Game Design/Development	B
9553	Game Design/Development-Advanced	B
9554	Audio and Video Technology IT	B
9555	Audio and Video Technology IT-Advanced	B
9557	Web Design and Development IT	B
9558	Web Design and Development IT-Advanced	B
9559	ArcGIS Support	B
9560	ArcGIS Support - Advanced	B
9564	Cyber Security -Advanced	B
9565	Computer Applications Support	B
9566	Computer Applications Support-Advanced	B

Offered to adult students in technology centers only	**A**
Offered to secondary and adult students in technology centers or comprehensive schools	**B**
Offered to secondary students in comprehensive schools only	**C**

Law, Public Safety, Corrections & Security Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Code	Subject	
9629	Criminal Justice	B
9630	Firefighter	B
9638	Criminal Justice -Specialized	B
9645	Firefighter - Specialized	B

Offered to adult students in technology centers only	**A**
Offered to secondary and adult students in technology centers or comprehensive schools	**B**
Offered to secondary students in comprehensive schools only	**C**

MANUFACTURING

9676	Foundations of Manufacturing	B
9679	CNC Machining	B
9680	CNC Machining - Specialized	B
9681	Computer-Aided Drafting MN	B
9682	Computer-Aided Drafting MN - Specialized	B
9684	Electronics Technology MN	B
9685	Electronics Technology MN - Specialized	B
9697	Manual Machinist	B
9698	Manual Machinist - Specialized	B
9702	Metal Fabrication	B
9705	Service Careers - Metal Fabrication	B
9707	Welding	B
9708	Welding - Specialized	B
9714	Metal Fabrication - Specialized	B
9723	Mechatronics Systems Technology	B
9724	Mechatronics Systems Technology - Specialized	B
9734	Foundations of Manufacturing - Specialized	B
9735	Service Careers - Metal Fabrication - Specialized	B

Offered to adult students in technology centers only	**A**
Offered to secondary and adult students in technology centers or comprehensive schools	**B**
Offered to secondary students in comprehensive schools only	**C**

Marketing Sales and Service Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

MARKETING SALES AND SERVICE

9783	Marketing Communications	B
9784	Marketing Communications-Advanced	B
9787	Professional Sales	B
9789	Management	B
9795	Entrepreneurship MK	B
9802	Entrepreneurship MK - Advanced	B
9804	Professional Sales - Advanced	B
9809	Management - Advanced	B
	Offered to adult students in technology centers only	**A**
	Offered to secondary and adult students in technology centers or comprehensive schools	**B**
	Offered to secondary students in comprehensive schools only	**C**

STEM Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS

Code	Description	
9852	PLTW Biomedical Science and Medicine	B
9862	PLTW Pre-Engineering	B
9870	Advanced PLTW Biomedical Science and Medicine	B
9871	Advanced PLTW Pre-Engineering	B
9872	Biotechnology - Year 1	B
9873	Biotechnology - Year 2	B
9874	PLTW Computer Science	B
9875	Advanced PLTW Computer Science	B
9876	Applied Engineering Technology	B
9877	Applied Engineering Technology - Advanced	B

Offered to adult students in technology centers only	**A**
Offered to secondary and adult students in technology centers or comprehensive schools	**B**
Offered to secondary students in comprehensive schools only	**C**

Transportation, Distribution and Logistics Cluster
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

9901	Aerospace Technology	B
9904	Automotive Collision Repair and Refinishing	B
9905	Automotive Collision Repair and Refinishing-Specialized	B
9906	Automotive Service Technology	B
9907	Automotive Service Technology-Specialized	B
9910	Heavy Equipment Service and Repair	B
9911	Marine Repair Technology	B
9912	Medium/Heavy Diesel Service	B
9913	Medium/Heavy Diesel Service-Specialized	B
9914	Motorcycle Technology	B
9916	Power Products Technology	B
9917	Private Pilot	B
9918	Service Careers-Auto Care and Detailing	B
9919	Service Careers-Small Engines	B
9920	Truck Driver Training	A
9922	Aerospace Technology - Specialized	B
9925	Heavy Equipment Service and Repair - Specialized	B
9926	Marine Repair Technology - Specialized	B
9927	Motorcycle Technology - Specialized	B
9929	Power Products Technology - Specialized	B
9933	Warehouse and Logistics	B
9934	Warehouse and Logistics - Specialized	B
9935	Pipeline Technology	B
9936	Pipeline Technology - Specialized	B
9939	Automotive Detailing	B
9940	Automotive Detailing - Specialized	B
9941	Automotive Refinishing Technology	B
9942	Automotive Refinishing Technology - Specialized	B
9943	Private Pilot - Specialized	B
9944	Service Careers-Auto Care and Detailing - Specialized	B
9945	Service Careers-Small Engines - Specialized	B

Offered to adult students in technology centers only	**A**
Offered to secondary and adult students in technology centers or comprehensive schools	**B**
Offered to secondary students in comprehensive schools only	**C**

Business and Entrepreneur Services
FY17 OCAS Subject Codes - STATE PROGRAM AREAS

BUSINESS AND ENTREPRENEUR SERVICES

9996	Business Development	A
9997	Agricultural Business Management	A
9998	Bid Assistance Center (BAC)	A

Offered to adult students in technology centers only	**A**
Offered to secondary and adult students in technology centers or comprehensive schools	**B**
Offered to secondary students in comprehensive schools only	**C**