

CareerTech

OCAS Subject Codes
July 1, 2019 – June 30, 2020

*career***tech**

Oklahoma Department of Career & Technology Education

OCAS Subject Codes for FY20 – COURSES

Agriculture Education

OCAS Subject Codes for FY20 - COURSES

8000 AGRICULTURE EDUCATION

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

Business and Information Technology
OCAS Subject Codes for FY20 - COURSES

8100-8200 BUSINESS AND INFORMATION TECHNOLOGY

8101	Business and Computer Technology	OHLAP
8102	Business Information Technology Internship	
8103	Fundamentals of Administrative Technologies	OHLAP
8104	Administrative Technologies II	OHLAP
8105	Office Administration & Management	OHLAP
8106	Career Major Capstone	
8107	Accounting I	
8108	Accounting II	
8109	Computerized Accounting	OHLAP
8110	Payroll Accounting	
8111	Financial Accounting	
8112	Entrepreneurship: Business Development	
8113	Entrepreneurship: Business Management	
8114	Human Resources Concepts	
8115	Employee and Labor Relations	
8118	Business & Personal Finance	
8120	Banking & Financial Services	
8121	Network/Client Operating Systems	OHLAP
8122	Server Operating Systems	OHLAP
8123	Network Management	OHLAP
8124	Fundamentals of Linux/Unix	OHLAP
8125	Routing and Switching I	OHLAP
8126	Routing and Switching II	OHLAP
8127	Telcom and Network Cabling	
8128	Advanced Routing and Remote Access	
8129	Multilayer Switching and Internetwork Support	
8130	Principals of Information Assurance	OHLAP
8131	Network Security	OHLAP
8132	Enterprise Security Management	OHLAP
8133	Secure Electronic Commerce	OHLAP
8134	Cyber Forensics	OHLAP
8136	Computer Repair and Troubleshooting I	OHLAP
8137	Computer Repair and Troubleshooting II	OHLAP
8138	Computer Repair and Troubleshooting III	
8139	Fundamentals of Database Development	OHLAP
8140	Database Design and Programming	OHLAP
8141	SQL and PL/SQL Database Applications Development	OHLAP
8142	Database Administration	OHLAP
8143	Modeling Languages	
8144	Forms Development	OHLAP
8149	Desktop Publishing and Graphic Design	OHLAP
8150	Multimedia & Image Management Techniques	OHLAP
8151	Digital Editing and Production Photography	
8153	Fundamentals of Web Design	OHLAP
8154	Design Tools and Electronic Marketing Strategies	OHLAP
8155	Advanced Design Techniques	OHLAP
8156	Advanced Digital Animation	OHLAP
8157	Web Scripting Foundations	OHLAP

Business and Information Technology
OCAS Subject Codes for FY20 - COURSES

8100-8200 BUSINESS AND INFORMATION TECHNOLOGY

8158	E-Commerce Site Production	
8159	Scripting Language Fundamentals	OHLAP
8160	Advanced Programming	OHLAP
8161	Systems Analysis, Design and Testing	OHLAP
8162	Advanced Scripting Languages	OHLAP
8163	Software Configuration Management	OHLAP
8164	Business Communications & Project Management	
8165	C++ Programming	OHLAP
8166	C# Programming	OHLAP
8167	Visual Basic .NET Programming	OHLAP
8168	User Interface Design	OHLAP
8169	Fundamentals of Technology	OHLAP
8170	Bilingual Interpersonal Communications I	
8177	Business Communications	
8178	Personal Finance	
8179	Introduction to Entrepreneurship	
8180	Math of Finance	
8182	Operating System/Command Line	OHLAP
8183	Planning and Maintaining Server Network Infrastructure	
8184	Active Directory Infrastructure	OHLAP
8185	Server Infrastructure Design	OHLAP
8186	Regulatory Compliance and Auditing	OHLAP
8187	Installing and Maintaining Desktop Applications	
8189	Non-Linear Digital Production	
8190	Advanced Digital Video Tools and Techniques	
8191	Digital Media Production	
8192	Non-Linear Digital Editing	
8193	Audio Production	
8194	Broadcast Production	
8195	Studio Production (IT)	
8196	Remote/Field Production (IT)	
8197	Advanced Effects for Motion Graphics	
8203	Audio Tools and Techniques	
8204	Intermediate Sound Production	
8205	Advanced Animation Techniques	
8206	2D Animation Techniques	
8207	Fundamentals of 3D Motion Graphics	
8208	3D Animation	
8209	3D Modeling and Rigging Techniques	
8210	Web Authoring Languages	
8211	Web Authoring Tools	
8212	Web Application Technologies	
8213	Interactive Marketing Techniques	
8214	Flash Application Development	
8215	Advanced Flash Application Development	
8216	Layout Design Techniques	
8217	Server-Side Scripting	
8218	Web Application Development	

Business and Information Technology
OCAS Subject Codes for FY20 - COURSES

8100-8200 BUSINESS AND INFORMATION TECHNOLOGY

8219	Advanced Computer Applications for the Law office	OHLAP
8220	Principles of Animation	
8221	Event and Project Planning Management	
8222	Programming Fundamentals	
8223	Network Security Awareness	
8224	Cross Platform Game Programming	
8225	Basic Programming	
8226	Resort and Tourism Management	
8227	Business Management for Travel and Tourism	
8228	Fundamentals of Video Game Design	
8229	Customer Assistance	
8230	JAVA Programming	
8231	Non-Linear Editing II	
8232	Video Animation	
8233	Database Administration II	
8234	Awareness of GPS/GIS	
8235	Essential Skills for ArcGIS	
8236	Managing and Analyzing Data using ArcGIS	
8237	Editing, Visualizing and Sharing Data in ArcGIS Software	
8238	Beginning Android Development	
8239	Intermediate Android Development	
8240	Database Administration Fundamentals	
8241	Mobile Development Fundamentals	
8242	Networking Fundamentals	
8243	Web Development Fundamentals	
8244	Windows Server Administration Fundamentals	
8245	Gaming Development Fundamentals	
8246	Security Fundamentals	OHLAP
8247	HTML5 Application Developer Fundamentals	
8248	.NET Fundamentals	
8249	Software Development Fundamentals	
8250	Windows Operating System Fundamentals	
8251	Foundations for the Legal Office	
8252	IT Essentials	OHLAP
8253	Windows Development Fundamentals	
8254	Business Foundations	
8255	Internet of Things (IoT) Fundamentals	OHLAP
8256	Cybersecurity Basics	OHLAP
8257	Fundamentals of Project Management	
8258	Advanced Spreadsheet Applications	OHLAP
8259	Advanced Database Concepts Using Access	OHLAP

Family & Consumer Science
OCAS Subject Codes for FY20 - COURSES

8400	FAMILY & CONSUMER SCIENCE
8404	Successful Adulthood: Personal Financial Literacy
8406	Interior Design II
8408	Lead Oklahoma
8409	Teach Oklahoma
8411	Tween Life
8412	Investigate FACS
8413	Fashion Design I
8414	Career Orientation
8415	FACS Basics
8419	School and Community Partnership I
8420	School and Community Partnership II
8422	Early Care Professionals
8425	Fashion Design II
8426	Culinary Basic Skills
8428	Culinary Advanced Skills
8435	FACS Basics B
8438	Investigate FACS 30
8439	Investigate FACS 60
8440	Tween Life 30
8441	Tween Life 60
8446	FACS Ed Capstone
8448	Introduction to Hospitality and Tourism
8452	Leadership and Management
8456	Tween Life with Personal Financial Literacy
8459	Teaching and Learning in Elementary, Secondary, and Adult Education
8461	Interior Design I
8465	ECE: Pathway to National Credential
8466	Occupational Basic Design and Custom Sewing
8467	Occupational Intermediate Apparel Design and Custom Sewing
8468	Culinary Arts Internship I
8469	Principles of Human Services
8470	Interpersonal Studies
8471	Human Growth and Development
8472	Food Science
8473	Counseling and Mental Health
8474	Lifetime Nutrition and Wellness
8475	Introduction to Culinary Arts
8477	Fashion Design III
8478	Hospitality & Tourism Management
8479	Comprehensive Health
8480	Interior Design III

Health Careers

OCAS Subject Codes for FY20 - COURSES

8550 HEALTH CAREERS

- 8551 Health Careers
- 8552 Health Careers II
- 8553 Health Careers III
- 8554 Health Careers Capstone
- 8556 Sports Medicine
- 8557 Biomedical Technology
- 8558 Exercise Science

5220 Physiology

OHLAP

5333 Anatomy

OHLAP

Marketing Education

OCAS Subject Codes for FY20 - COURSES

8600	MARKETING EDUCATION
8602	Marketing Fundamentals
8605	Customer Service
8606	Business Management and Supervision
8607	Sales and Sales Promotion
8608	Professional Sales
8611	Business and Marketing Communications
8612	Advertising Strategies
8613	Marketing Research
8614	Intro to Business/Marketing
8615	Marketing Economics
8616	Entrepreneurship
8617	Advanced Entrepreneurship
8618	International Business and Marketing
8619	E-Commerce Marketing
8620	Entrepreneurship Awareness
8621	Public Relations Marketing
8622	Marketing Internship
8623	Employment Essentials
8624	Product & Service Sales
8625	Buying and Merchandising
8627	Global Markets and Trade
8628	Digital Marketing
8629	Ethical Leadership

Science, Technology, Engineering & Mathematics
OCAS Subject Codes for FY20 - COURSES

8700 & 8800 Science, Technology, Engineering, Mathematics

8701	Survey of Biotechnology	
8702	Biotechnology I	
8703	Biotechnology II	
8704	Advanced Biotechnology I	
8705	STEM Capstone	
8706	PLTW Principles of Biomedical Science	OHLAP
8707	PLTW Human Body Systems	OHLAP
8708	PLTW Medical Interventions	OHLAP
8709	Intro to Engineering Design	OHLAP
8710	Principles of Engineering	OHLAP
8711	PLTW Digital Electronics	OHLAP
8712	PLTW Computer Integrated Manufacturing	OHLAP
8713	PLTW Civil Engineering and Architecture	
8715	PLTW Aerospace Engineering	OHLAP
8716	PLTW Engineering Design and Development	
8717	Advanced Biotechnology II	
8718	Biomedical Health Careers	
8719	PLTW Biomedical Innovation	OHLAP
8825	Advanced Technological Applications	
8826	Advanced Design Applications	
8827	Engineering Design	
8828	Technology Foundations	
8830	Engineering Exploration	
8833	Robotics Engineering	OHLAP
8834	TE Robotics Engineering and Automation	
8835	Health Science Exploration	
8838	Information Technology Exploration	
8847	Technology and Society	
8848	Technological Design	
8849	Science and Technical Visualization I	
8850	Science and Technical Visualization II	
8851	AP Computer Science Principles	OHLAP
8852	Computer Science Essentials	OHLAP
8853	AP Computer Science A (CSA)	OHLAP
8854	PLTW Environmental Sustainability	OHLAP
8855	The Nature of Science & Technology	
8856	Core Applications of Science & Technology	
8857	Impacts of Science & Technology	
8858	Creativity & Innovations	
8859	Fundamentals of Aerospace Technology	
8860	Computer Science Principles	OHLAP
8861	PLTW Cybersecurity	
8862	Advanced Technology for Design Production	
8863	Systems of Advanced Technology	

Science, Technology, Engineering & Mathematics
OCAS Subject Codes for FY20 - COURSES

8700 & 8800 Science, Technology, Engineering, Mathematics

8864	Mechatronic Systems for Advanced Production	
8865	Design for the Production of Advanced Products	
8866	Advanced Robotics Engineering	OHLAP
8867	Computer Science Discoveries	OHLAP
8868	Aeroponics/Hydroponics	
8869	STEM Core	
8870	Space Engineering Concepts	OHLAP
8871	Python	OHLAP
8872	Renewable Energy	
8873	Google Tools	OHLAP
8874	Launching in Aviation	
8875	Exploring Aviation and Aerospace	
8876	Aircraft Systems & Performance	
8877	Introduction to Flight	
8971	Architecture & Construction Exploration	
8972	Arts, A/V Technology & Communication Exploration	
8976	Natural Resources Exploration	
8977	Manufacturing Exploration	
8978	Transportation Exploration	
4412	Algebra II	OHLAP
4520	Geometry	OHLAP
4611	Pre-Calculus	OHLAP
4612	Calculus	OHLAP
4615	AP Calculus AB	OHLAP
4616	AP Calculus BC	OHLAP
4750	Trigonometry	OHLAP
4760	AP Statistics	OHLAP
5035	AP Biology	OHLAP
5051	Chemistry	OHLAP
5055	AP Chemistry	OHLAP
5121	AP Environmental Science	OHLAP
5211	Physics	OHLAP
5213	AP Physics I	OHLAP
5214	AP Physics II	OHLAP
5215	AP Physics B	OHLAP
5216	AP Physics C-Mechanics	OHLAP
5217	AP Physics C-Electricity & Magnetism	OHLAP
5336	Microbiology	

Trade and Industrial Education
OCAS Subject Codes for FY20 - COURSES

8900	TRADE AND INDUSTRIAL EDUCATION	
8901	Advanced Desktop Publishing and Graphic Design	OHLAP
8902	Advanced Web and Animation Design	OHLAP
8903	Architectural Computer Aided Drafting and Design	OHLAP
8904	Engineering Computer Aided Drafting and Design	OHLAP
8905	Fundamentals of Computer Aided Drafting and Design	OHLAP
8906	Manufacturing Computer Aided Drafting and Design	OHLAP
8907	Tech Connect Automotive	
8908	Tech Connect Automotive Specialized	
8915	Tech Connect Carpentry	
8916	Tech Connect Carpentry Specialized	
8929	Tech Connect Welding	
8930	Tech Connect Welding Specialized	
8931	Tech Connect Welding Advanced	
8940	Workforce Connection	
8942	Workforce Staging	
8943	Tech Connect Robotics	
8944	Tech Connect Automation	
8945	Technical Applications I	
8946	Technical Applications II	
8947	Technical Applications III	
8948	Introduction to Aerospace	
8949	Foundations to Aerospace	
8950	Aerospace Structures	
8951	Introduction to Construction	
8952	Foundations to Construction	
8953	Introduction to Manufacturing	
8954	Tech Connect Horticulture/Floriculture	
8955	Tech Connect Architecture & Construction	
8956	Tech Connect Arts, A/V Technology and Communications	
8957	Tech Connect Information Technology	
8958	Tech Connect Law, Public Safety and Security	
8959	Tech Connect Manufacturing	
8960	Tech Connect Transportation, Distribution and Logistics	
8961	Tech Connect Diversified Programs	
8962	Tech Connect Horticulture/Floriculture Specialized	
8963	Tech Connect Architecture & Construction Specialized	
8964	Tech Connect Arts, A/V Technology and Communications Specialized	
8965	Tech Connect Information Technology Specialized	
8966	Tech Connect Law, Public Safety and Security Specialized	
8967	Tech Connect Manufacturing Specialized	
8968	Tech Connect Transportation, Distribution and Logistics Specialized	
8969	Tech Connect Diversified Programs Specialized	

Trade and Industrial Education
OCAS Subject Codes for FY20 - COURSES

- 8900 TRADE AND INDUSTRIAL EDUCATION**
- 8970 Tech Connect Individual Coop Education
- 8971 Architecture & Construction Exploration
- 8972 Arts, A/V Technology & Communication Exploration
- 8975 Technical Applications IV
- 8976 Natural Resources Exploration
- 8977 Manufacturing Exploration
- 8978 Transportation Exploration

OCAS Subject Codes for FY20 –State Programs

Agriculture, Food and Natural Resources Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

9000	AGRICULTURE, FOOD AND NATURAL RESOURCES
9001	Agriculture Mechanics
9002	Equine Science
9003	Floriculture
9004	Horticulture
9005	Landscape Design/Maintenance
9007	Service Careers-Landscape Design/Maintenance
9008	Service Careers-Horticulture
9009	Agriculture Mechanics-Specialized
9010	Equine Science - Specialized
9011	Floriculture-Specialized
9012	Landscape Design/Maintenance - Specialized
9014	Service Careers-Horticulture - Specialized
9020	Horticulture - Specialized
9021	Service Careers-Landscape Design/Maintenance-Specialized
9022	Small Animal Care and Grooming
9023	Small Animal Care and Grooming - Specialized

Architecture & Construction Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

9050	ARCHITECTURE AND CONSTRUCTION
9052	Finish Carpentry
9053	Carpentry
9054	Computer-Aided Drafting - Construction
9055	Construction and Architectural Design Academy
9056	Construction Welding
9057	Electricity
9058	Electrical Trades
9059	Heating, Ventilation, A/C
9061	Heavy Equipment Operator
9065	Masonry
9066	Masonry - Specialized
9067	Plumbing
9069	CNC Woodworking
9071	Service Careers-Maintenance
9073	Service Careers-Forklift Operation
9074	Construction Electronics
9075	Construction Electronics - Specialized
9076	Service Careers-Maintenance-Specialized
9078	Carpentry - Specialized
9080	Heating, Ventilation, A/C - Specialized
9084	Computer-Aided Drafting - Construction - Specialized
9085	Electricity - Specialized
9086	Electrical Trades-Specialized
9089	Heavy Equipment Operator - Specialized
9090	CNC Woodworking - Specialized
9094	Finish Carpentry - Specialized
9095	Plumbing - Specialized
9098	Introduction to Construction Technology
9099	Construction Technology - Specialized
9104	Construction Welding - Specialized
9105	Forklift Operator
9106	Forklift Operator - Specialized
9107	Service Careers Carpentry
9108	Service Careers Carpentry - Specialized
9109	Construction and Architectural Design Academy - Specialized
9110	Service Careers-Forklift Operation - Specialized

Arts, A/V Technology and Communications Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

9125 ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

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

Business Management and Administration Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

- 9200 BUSINESS, MANAGEMENT AND ADMINISTRATION**
- 9202 Administrative Support
- 9204 Court Reporting
- 9205 Customer Service
- 9206 Entrepreneurship-BA
- 9207 Entrepreneurship-BA - Advanced
- 9208 Human Resources Management
- 9209 Human Resources Management - Advanced
- 9210 Administrative Support-Legal
- 9213 Administrative Support-Medical
- 9217 Administrative Support-Legal - Advanced
- 9218 Administrative Support-Medical - Advanced
- 9223 Court Reporting - Advanced
- 9226 Administrative Support - Advanced
- 9230 Business Information Management-Medical
- 9231 Business Information Management-Medical - Advanced
- 9232 Business Information Management
- 9233 Business Information Management - Advanced
- 9234 Customer Service - Advanced

Education and Training Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

- 9240** **EDUCATION AND TRAINING**
- 9241 Teaching/Training
- 9244 Teaching/Training - Specialized

Finance Cluster

FY20 OCAS Subject Codes - STATE PROGRAMS

9250 FINANCE

9254 Financial Services

9255 Banking Services

9258 Accounting

9259 Insurance Services

9260 Insurance Services - Specialized

9266 Accounting - Specialized

9267 Banking Services - Specialized

9268 Financial Services - Specialized

Health Science Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

9300	HEALTH SCIENCE
9301	Nursing Services
9302	Respiratory Services
9311	Dental Services
9312	Dental Hygiene
9314	Diagnostic Medical Sonographer
9317	Emergency Medical Services
9318	Paramedic
9321	Health Studies
9323	Licensed Practical Nurse
9326	Medical Services
9329	Behavioral Medicine
9331	Nursing Services - Advanced
9334	Pharmacy Services
9336	Physical Therapy Assistant
9338	Radiologic Technology
9341	Surgical Services
9343	Surgical Technologist (Accredited Program)
9345	Veterinary Services
9346	Vision Care Services
9358	Medical Imaging
9359	Vision Care Services - Advanced
9361	Dental Services - Advanced
9381	Occupational Therapy Assistant
9382	Rehabilitation Services
9383	Medical Imaging - Advanced
9388	Medical Services - Advanced
9397	Emergency Medical Services - Advanced
9398	Orthotics/Prosthetics
9400	Health Studies - Advanced
9401	Therapeutic Services
9402	Therapeutic Services - Advanced
9403	Behavioral Medicine - Advanced
9404	Pharmacy Services - Advanced
9405	Rehabilitation Services - Advanced
9406	Veterinary Services - Advanced

Hospitality and Tourism Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

- 9425 HOSPITALITY AND TOURISM**
- 9426 Culinary Arts
- 9427 Culinary Arts - Specialized
- 9428 Event Planning
- 9430 Lodging Services
- 9431 Lodging Services - Specialized
- 9434 Service Careers-Culinary Arts
- 9435 Service Careers-Lodging
- 9442 Service Careers-Culinary Arts - Specialized
- 9444 Event Planning - Specialized
- 9445 Service Careers-Lodging - Specialized
- 9446 Casino and Gaming
- 9447 Casino and Gaming - Specialized

Human Services Cluster

FY20 OCAS Subject Codes - STATE PROGRAMS

9475 HUMAN SERVICES

- 9477 Barber
- 9478 Cosmetology
- 9480 Early Care and Education
- 9481 Esthetician
- 9483 Manicurist/Nail Technology
- 9487 Barber - Specialized
- 9488 Cosmetology - Specialized
- 9489 Early Care and Education - Specialized
- 9490 Esthetician - Specialized
- 9491 Manicurist/Nail Technology - Specialized

Information Technology Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

9525	INFORMATION TECHNOLOGY
9526	Animation Technology
9527	Animation Technology-Specialized
9530	Cybersecurity
9531	Database Administration/Development
9532	Database Administration/Development-Specialized
9537	Digital Design and Publishing
9538	Digital Design and Publishing-Specialized
9540	Multimedia Technology
9541	Multimedia Technology-Specialized
9542	Computer/Network Support
9543	Computer/Network Support-Specialized
9547	Network Systems
9548	Network Systems-Specialized
9550	Programming
9551	Programming-Specialized
9552	Game Design/Development
9553	Game Design/Development-Specialized
9554	Audio and Video Technology IT
9555	Audio and Video Technology IT-Specialized
9557	Web Design and Development IT
9558	Web Design and Development IT-Specialized
9559	ArcGIS Support
9560	ArcGIS Support-Specialized
9564	Cybersecurity Specialized
9565	Computer Applications Support
9566	Computer Applications Support-Specialized

Law, Public Safety, Corrections & Security Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

- 9625 LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY**
- 9629 Criminal Justice
- 9630 Firefighter
- 9638 Criminal Justice -Specialized
- 9645 Firefighter - Specialized

Manufacturing Cluster

FY20 OCAS Subject Codes - STATE PROGRAMS

9675 MANUFACTURING

- 9676 Foundations of Manufacturing
- 9679 CNC Machining
- 9680 CNC Machining - Specialized
- 9681 Computer-Aided Drafting MN
- 9682 Computer-Aided Drafting MN - Specialized
- 9684 Electronics MN
- 9685 Electronics MN-Specialized
- 9697 Manual Machinist
- 9698 Manual Machinist - Specialized
- 9702 Metal Fabrication
- 9705 Service Careers - Metal Fabricator Assistant
- 9707 Welding MN
- 9708 Welding MN-Specialized
- 9714 Metal Fabrication - Specialized
- 9723 Mechatronics
- 9724 Mechatronics-Specialized
- 9734 Foundations of Manufacturing Science - Specialized
- 9735 Service Careers - Metal Fabricator Assistant - Specialized
- 9736 Energy & Power
- 9737 Energy & Power Specialized

Marketing Sales and Service Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

- 9775 MARKETING SALES AND SERVICE**
- 9783 Marketing Communications
- 9784 Marketing Communications-Advanced
- 9787 Professional Sales
- 9789 Management
- 9795 Entrepreneurship MK
- 9802 Entrepreneurship MK - Advanced
- 9804 Professional Sales - Advanced
- 9809 Management - Advanced

STEM Cluster

FY20 OCAS Subject Codes - STATE PROGRAMS

9850 Science, Technology, Engineering and Mathematics

- 9852 Biomedical Science and Medicine STEM Academy
- 9862 Pre-Engineering STEM Academy
- 9870 Biomedical Science and Medicine STEM Academy-Advanced
- 9871 Pre-Engineering STEM Academy-Advanced
- 9872 Biotechnology STEM Academy
- 9873 Biotechnology STEM Academy-Advanced
- 9874 PLTW Computer Science
- 9875 Advanced PLTW Computer Science
- 9876 Applied Engineering Technology
- 9877 Applied Engineering Technology - Advanced

Transportation, Distribution and Logistics Cluster
FY20 OCAS Subject Codes - STATE PROGRAMS

9900 TRANSPORTATION, DISTRIBUTION AND LOGISTICS

- 9901 Aerospace Technology
- 9904 Automotive Collision Repair and Refinishing
- 9905 Automotive Collision Repair and Refinishing-Specialized
- 9906 Automotive Service Technology
- 9907 Automotive Service Technology-Specialized
- 9910 Heavy Equipment Service and Repair
- 9911 Marine Repair Technology
- 9912 Medium/Heavy Diesel Service
- 9913 Medium/Heavy Diesel Service-Specialized
- 9914 Motorcycle Technology
- 9916 Power Products
- 9917 Private Pilot
- 9918 Service Careers-Auto Care
- 9919 Service Careers-Small Engines
- 9920 Truck Driver Training
- 9922 Aerospace Technology - Specialized
- 9925 Heavy Equipment Service and Repair - Specialized
- 9926 Marine Repair Technology - Specialized
- 9927 Motorcycle Technology - Specialized
- 9929 Power Products-Specialized
- 9933 Warehouse and Logistics
- 9934 Warehouse and Logistics - Specialized
- 9935 Pipeline Technology
- 9936 Pipeline Technology - Specialized
- 9939 Automotive Detailing
- 9940 Automotive Detailing - Specialized
- 9941 Automotive Refinishing Technology
- 9942 Automotive Refinishing Technology - Specialized
- 9943 Private Pilot - Specialized
- 9944 Service Careers-Auto Care-Specialized
- 9945 Service Careers-Small Engines - Specialized
- 9946 Agriculture Mechanics TR
- 9947 Agriculture Mechanics TR - Specialized

Business and Entrepreneur Services
FY20 OCAS Subject Codes

- 9995 BUSINESS AND ENTREPRENEUR SERVICES**
- 9996 Business Development
- 9997 Agricultural Business Management
- 9998 Bid Assistance Center (BAC)