

MCC Career & Technical Education Programs by Career Cluster 2016-17 Catalog

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I. AGRICULTURE & NATURAL RESOURCES

Agriculture & Natural Resources Cluster

Horticulture (HRT) Degree:

Horticulture – AAS (p. 120)
Specialties: Floral Design, Greenhouse,
Landscape, Urban Agriculture

Horticulture (HRT) Certificates:

Floral Design – 21 hrs. (p. 121)
Gardening – 20 hrs. (p. 122)
Greenhouse – 28 hrs. (p. 122)
Landscape Management – 35 hrs. (p. 122)
Turf and Golf Course Management – 29 hrs. (p. 123)

II. ARTS, ARCHITECTURE, CONSTRUCTION, ENGINEERING & MANUFACTURING (cont. on next page) (See Area VI. For Automotive Technology)

Architecture, Construction and Engineering Technology Cluster

Architectural & Engineering Design (AET, IMT) Degree:

Engineering Technology – AAS (p. 108)
[Fast Track](#) program only

Architectural & Engineering Design (AET) Certificate:

Architectural & Engineering Design – 18 hrs. (p. 77)
[Fast Track](#) program only

Computers & Digital Media Degree:

Robotics Systems Engineering Technology (ROB) – AAS
(p. 141)

Computers & Digital Media Certificate:

Robotics Systems Programmer (ROB) – 32 hrs. (p. 143)

Construction Management (CMT) Degree:

Construction Management – AAS (p. 94)
[Fast Track](#) program only

Construction Management (CMT) Certificate:

Construction Codes – 30 hrs. (p. 95)
[Fast Track](#) program only

Arts Cluster

Computers & Digital Media Degrees:

Digital Media (ANI, DGM) Degree:
Digital Media – AAS (p. 92)

Computers & Digital Media Certificates:

Digital Media (ANI, DGM) Certificates:
Animation – 24 hrs. (p. 93)
Game Development – 24 hrs. (p. 93)

Graphic Arts (GRA) Degree:

Graphic Arts – AAS (p. 113)

Graphic Arts (GRA):

Fundamentals of Design – 15 hrs. (p. 114)
Graphic Design – 27 hrs. (p. 114)
Web Design – 30 hrs. (p. 115)

II. ARTS, ARCHITECTURE, CONSTRUCTION, ENGINEERING & MANUFACTURING (cont.)

Manufacturing Cluster

Industrial Maintenance (AET, ROB & IMT):

See certificate ->

Industrial Maintenance (AET, ROB & IMT) Certificate:

Industrial Maintenance – 33 hrs. (p. 124)

[*Fast Track*](#) program only

Manufacturing (IMT) Degree:

Manufacturing Management – AAS (p. 125)

[*Fast Track*](#) program only

Manufacturing (IMT) Certificates:

Computer Numerical Control [CNC] Machining – 18 hrs. (p. 109). [*Fast Track*](#) program only

Manufacturing Processes – 44-45 hrs. (127)

[*Fast Track*](#) program only

Advanced Manufacturing – 33 hrs. (p. 76)

[*Fast Track*](#) program only

Manufacturing Supervision – 27 hrs. (p. 129)

[*Fast Track*](#) program only

III. BUSINESS, COMPUTER TECHNOLOGY & ADMINISTRATIVE OFFICE (cont. on next page)

(See Area II for CAD, CNC, Graphic Arts, and Robotics) and (See Areas V & VI for Legal & Medical Office)

Accounting & Finance Cluster

Accounting (ACC) Degree:

Accounting – AAS (p. 70)

[*Online*](#) option available

Accounting (ACC) Certificates:

Accounting – 36 hr. (p. 71)

[*Online*](#) option available

Bookkeeping – 12 hr. (p. 71)

[*Online*](#) option available

Tax Practitioner – 10 hr. (p. 72)

[*Online*](#) option available

Business Management & Administration Cluster

Administrative Office Management (AOM) Degree:

Administrative Office Management – AAS (p.73)

[*Online*](#) option available

Administrative Office Management (AOM) Certificates:

Administrative Office Mgt. – 38 hrs. (p. 74)

Administrative Office Skills – 21 hrs. (p. 75)

Legal Administration – 28 hrs. (p. 75)

Medical Administration – 29 hrs. (p. 75)

Business Management (BUS, MGT) Degree:

Business Management – AAS (p. 84)

[*Fast Track*](#) & [*Online*](#) options available

Business Management (BUS, MGT) Certificates:

Business Mgt. Principles – 33 hrs. (p. 85)

[*Fast Track*](#) option available

Entrepreneurship – 6 hrs. (p. 85)

International Business Studies – 12 hrs. (p. 86)

Organizational Leadership – 18 hrs. (p. 86)

[*Fast Track*](#) options available

III. BUSINESS, COMPUTER TECHNOLOGY & ADMINISTRATIVE OFFICE (cont.)

Computer Technology Cluster

Computers & Digital Media Degrees:

Computer (CDM, CIS, DBM, MAD, NET, PRG) Degrees:

Computer Information Systems - AAS:

Specialties (*Last year available 2016-17*) : Help Desk or
Programming (p. 87)

[Online](#) option available

Network Security – AAS (p. 89)

[Online](#) option available

Digital Media (ANI, DGM) Degree:

Digital Media – AAS (p. 92)

Web Design and Development (WEB) Degree:

Web Design and Development – AAS (p. 145)

Computers & Digital Media Certificates:

Computers (CDM, DBM, MAD, NET, PRG) Certificates:

Computer Skills – 20 hrs. (p. 90)

Advanced Computer Skills – 29 hrs. (p. 90)

Computer Programmer – 37 hrs. (p. 90)

*Last year available 2016-17 [New Programming Fund.
Certificate available starting January 2017, contact
Dept. at (815) 479-7539 for curriculum information]*

Cyber Security – 22 hrs. (p. 90)

Geek Technology – 23 hrs. (p. 91)

Help Desk Certificate – 32 hrs. (p. 91)

Networking Specialist – 26-27 hrs. (p. 91)

PC Support Specialist – 18 hrs. (p. 91)

Digital Media (ANI, DGM) Certificates:

Animation – 24 hrs. (p. 93)

Game Development – 24 hrs. (p. 93)

Web Design and Development (WEB) Certificates:

Advanced Web Techniques – 21 hrs. (p. 146)

(Last year available 2016-17)

Web Development - 24 hrs. (p. 146)

Web Marketing – 30 hrs. (p. 147)

Marketing Cluster

Marketing (MKT) Degree:

Marketing – AAS (p. 129)

Marketing (MKT) Certificates:

Marketing – 33 hrs. (p. 130)

Marketing Management – 12 hrs. (p. 131)

Professional Selling – 12 hrs. (p. 131)

IV. EDUCATION, FAMILY & HUMAN SERVICES, AND HOSPITALITY

Education, Family & Human Services Cluster (including Health & Fitness Education)

Early Childhood (ECE) Degree:

Early Childhood – AAS (p. 102)

Early Childhood (ECE) Certificates:

Early Childhood – 12 hrs. (p. 104)

Early Childhood – 32 hrs. (p. 104)

Health & Fitness Education (HFE) Degree:

Health & Fitness Education – AAS (p. 116)

Health & Fitness Education (HFE) Certificate:

Fitness Instructor Training – 27 hrs. (p. 117)

Hospitality Cluster

Culinary Management (CLM, PAS) Degrees:

Baking & Pastry Management – AAS (p. 82)

Culinary Management – AAS (p. 100)

Culinary Management (CLM, PAS) Certificates:

Baking & Pastry Assistant I – 19 hrs. (p. 83)

Chef Assistant I – 19 hrs. (p. 101)

(Assistant Confectioner Certificate no longer available)

V. HEALTH SCIENCE and MEDICAL OFFICE (See Area IV for Health & Fitness Education)

Health Science and Medical Office Cluster (cont.)

Administrative Office Management (AOM)

See Certificate ->

Emergency Medical Technician (EMS) Degree:

Emergency Medical Technician-Paramedic – AAS (p. 105)

Health Information Technology (HIT) Degree:

Health Information Technology – AAS (p. 118)

Nurse Assistant (NAE)

See Certificate ->

Occupational Therapy Assistant (OTA) Degree:

Occupational Therapy Assistant – AAS (p. 136)

Involves Selective Admission process

Registered Nursing (NUR, HCE) Degree:

Registered Nursing – AAS (p. 132)

Involves Selective Admissions process

Administrative Office Management (AOM) Certificate:

Medical Administration – 29 hrs. (p. 75)

Emergency Medical Technician Certificates:

Emergency Medical Technician: Ambulance – 7 hrs.

(p. 106)

Emergency Medical Technician: Paramedic – 33-39 hrs.

(p. 107)

Health Information Technology (HIT) Certificate:

Medical Billing & Coding – 28 hrs. (p. 119)

Nurse Assistant (NAE) Certificate:

Nurse Assistant Education – 9 hrs. (p. 135)

Involves Selective Admission process

Occupational Therapy Assistant (OTA):

<- See AAS Degree

Registered Nursing (NUR):

<- See AAS Degree

VI. LAW, LEGAL OFFICE, PUBLIC SAFETY & TRANSPORTATION, including Auto Tech. (cont. on next page)

Law, Legal Office & Public Safety Cluster

Administrative Office Management (AOM)

See Certificate ->

Criminal Justice (CJS) Degree:

Criminal Justice - AAS (p. 97)

Specialties: Computer Forensics, Corrections,
Law Enforcement/Security, & Social Service

[Online](#) option available

Fire Science (FRS) Degree:

Fire Science – AAS (p. 110)

Paralegal Studies (PAR) Degree:

Paralegal Studies – AAS (p. 139)

Students may enroll in the Introductory PAR class after completing a Watson Glaser test and receiving their test score.

Administrative Office Management (AOM) Certificate:

Legal Administration – 28 hrs. (p. 75)

Criminal Justice (CJS) Certificate:

<- See AAS Degree

Fire Science (FRS) Certificates:

Firefighter Basic – 15 hrs. (p. 111)

Fire Officer I – 21 hrs. (p. 112)

Paralegal Studies (PAR) Certificate:

Paralegal Certificate – 27 hrs. (p. 140)

Students must show evidence of completion of an Associate Degree or Bachelor Degree in any field, and at least 18 hrs. of General Education coursework to graduate with the Paralegal Certificate.

VI. LAW, LEGAL OFFICE, PUBLIC SAFETY & TRANSPORTATION, including Auto Tech. (cont.)

Transportation Cluster

Automotive Technology (AMT) Degree:

Automotive Technology – AAS (p. 78)
Automotive Technology, Management – AAS (p. 80)

Automotive Technology (AMT) Certificates:

Auto Maintenance Technician – 24 hrs. (p. 81)
Advanced Auto Maintenance Technician – 45-47 hrs. (p. 81)
Chassis Certificate – 12 hrs. (NEW!) Contact Department Chair for curriculum information
Electrical Certificate – 12 hrs. (NEW!) Contact Department Chair for curriculum information
Department Chair: (815) 455-8941

Transportation, Warehousing & Logistics (TWL):

See Certificate ->

Transportation, Warehousing & Logistics (TWL) Certificate:

Transportation, Warehousing and Logistics – 13 hrs. (p. 144). *Program is currently inactive*

This guide is provided for your convenience and is maintained as accurately as possible. Please be advised that program curricula may be updated or modified from what is provided in the college catalog at any time.