
BMG 285

In this course, students will be introduced to the fundamental concepts of "Big Data" management and data science analytics, learning to recognize the challenges faced in dealing with massive volumes of available data as well as in proposing scalable solutions for them. This course is highly interactive, using case studies that span multiple vertical industries to process and analyze data related to common business issues. The title of this course was previously Meeting Management.

[Level I Prereq:](#) Academic Reading and Writing Levels of 6; BMG 265, BMG 275 and CIS 282, minimum grade "C"

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3D Animation (CTANI)

Description

The 3D Animation Certificate prepares students with fundamental skills for entry-level positions in the digital 3D modeling and animation industry and is a stepping stone to the Associate Degree in 3D Animation. Foundation areas of study include visual perception of 3D form and shape, volume/weight, surface mapping and lighting, basic 3D animation and motion graphic composition.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
ANI 145	Concept Development for Animation	2
ANI 150	3D Modeling & Production Pipeline	4
ANI 155	Textures and Studio Lighting for Animation	4
ANI 160	Fundamentals of Movement and Animation	4
ANI 230	Motion and Sound	2
ART 111	Basic Drawing I	4
GDT 108	Photoshop Graphics	3

3D Animation Arts (APANID)

Description

The 3D Animation Arts program prepares students for entry-level positions in digital 3D modeling and animation for use in film, video, broadcast, video game design, visualization, advertising, print, and the web. Students will select a concentration in either Film and Broadcast or Game Art. They will develop ideas in the pre-production concept phase, execute them in the production phase, and polish them in the post-production phase to create finished work. Through this process, students will develop critical industry skills such as storyboarding, modeling, texturing, lighting, rigging, animating, rendering, editing, sound engineering, and compositing. Ultimately, students will apply everything they have learned to create a demo reel that showcases their skills.

Articulation

Eastern Michigan University, BS Degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Applying for Admission to the Program

Good computer skills and aptitude are required to enroll in computer-based courses. Courses are taught using Macintosh computers.

Requirements

First Semester

Class	Title	Minimum Credits
ANI 145	Concept Development for Animation	2
ANI 150	3D Modeling & Production Pipeline	4
ART 111	Basic Drawing I	4
COM 101	Fundamentals of Speaking	3
	Math Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ANI 155	Textures and Studio Lighting for Animation	4
ANI 160	Fundamentals of Movement and Animation	4
ART 127	Life Drawing I	4
GDT 108	Photoshop Graphics	3

Third Semester

Class	Title	Minimum Credits
ANI 235	Introduction to Compositing and Visual Effects	4
	Arts/Human. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
ANI 230	Motion and Sound	2
ANI 250	Organic Modeling and Rigging	4
ENG 107 or ENG 111	Technical Writing Fundamentals Composition I	3
	Nat. Sci. Elective(s)	3

Fifth Semester

Class	Title	Minimum Credits
ANI 260	3D Animation III	4
VID 276	Video Graphics I	3
	Soc. Sci. Elective(s)	3

First Semester

Class	Title	Minimum Credits
ANI 145	Concept Development for Animation	2
ANI 150	3D Modeling & Production Pipeline	4
ART 111	Basic Drawing I	4
COM 101	Fundamentals of Speaking	3
	Math Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ANI 155	Textures and Studio Lighting for Animation	4
ANI 160	Fundamentals of Movement and Animation	4
ANI 190	History of Game Design	3
GDT 108	Photoshop Graphics	3

Third Semester

Class	Title	Minimum Credits
ANI 180	Introduction to Game Level Design	4
	Arts/Human. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
ANI 230	Motion and Sound	2
ANI 250	Organic Modeling and Rigging	4
ENG 107 or ENG 111	Technical Writing Fundamentals Composition I	3
	Nat. Sci. Elective(s)	3

Fifth Semester

Class	Title	Minimum Credits
ANI 240	Advanced Game Level Design	4
ANI 260	3D Animation III	4
	Soc. Sci. Elective(s)	3

3D Animation Arts: Game Art /EMU Simulation, Animation & Gaming BS (APANID01G4)**Description**

This program prepares students for transfer to a bachelor of science program at Eastern Michigan University where they will further develop their technical knowledge and skills in simulation, animation and gaming. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Simulation, Animation and Gaming BS

<https://www.wccnet.edu/articulation/apanid01g4>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	84
	Complete a minimum of forty-five credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Accounting (APACCT)**Description**

This program prepares students for jobs with duties assigned to a beginning accountant such as verifying additions, checking audits, postings, and vouchers, analyzing accounts, and preparing financial statements. Many of the courses transfer to four-year colleges, including programs at Eastern Michigan University, Madonna University, and Walsh College. If the primary goal is to transfer into a bachelor's of business administration program in accounting, consider the Business Transfer program.

Articulation

Eastern Michigan University, BBA or BS degree;
Walsh College, BBA or BS degree
Wayne State University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Students must have:

- Academic Math Level of 3 to enroll in MTH 125 and MTH 160
- Academic Math Level of 4 to enroll in MTH 176

Requirements**First Semester**

Class	Title	Minimum Credits
ACC 111	Principles of Accounting I	3
BMG 140	Introduction to Business	3
BOS 184	Spreadsheet Software Applications I	3
CIS 110	Introduction to Computer Information Systems	3
MTH 125 or MTH 160 or MTH 176	Everyday College Math Basic Statistics College Algebra	4

Second Semester

Class	Title	Minimum Credits
ACC 110	Payroll Accounting	2
ACC 122	Principles of Accounting II	3
ACC 131	QuickBooks Software	3
BMG 111	Business Law I	3
COM 101	Fundamentals of Speaking	3
TAX 101	Income Taxes for Individuals	3

Third Semester

Class	Title	Minimum Credits
ACC 213	Intermediate Accounting I	3
BMG 265	Business Statistics	3
ECO 211	Principles of Economics I	3
	Nat. Sci. Elective(s)	3
	Arts/Human. Elective(s)*	3

Fourth Semester

Class	Title	Minimum Credits
ACC 214	Intermediate Accounting II	3
ACC 225	Managerial Cost Accounting	3
BMG 207	Business Communication	3
ECO 222	Principles of Economics II	3
ENG 111	Composition I	4

Footnotes

*See the EMU Diverse World Requirement list.

University of Michigan - Ann Arbor Business School does not accept business or accounting courses from community colleges. If you wish to transfer into an accounting major at UM, please see a counselor.

Accurate as of 05/19/2022 Information is subject to change without notice.

Accounting for Business (CTACCB)**Description**

This program prepares students for entry-level positions with accounting and tax services, CPA firms, and small businesses where they will provide accounting skills, computer skills, and office support. It also gives students credit that can be applied toward the Associate's Degree in Accounting.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
ACC 100 or ACC 111	Accounting Practices for Business Principles of Accounting I*	3
ACC 110	Payroll Accounting	2
ACC 131	QuickBooks Software	3
BOS 184	Spreadsheet Software Applications I	3
CIS 110	Introduction to Computer Information Systems	3
Elective	MTH 125, MTH 160 or MTH 176	4
TAX 101	Income Taxes for Individuals	3

Footnotes

*Students earning an AAS degree in Accounting are required to complete ACC 111.

Accurate as of 05/19/2022 Information is subject to change without notice.

Accounting/EMU BBA with any Business Major (APACCT01B8)**Description**

This program prepares students for transfer to a bachelor of business administration degree program at Eastern Michigan University, where they will further improve their communication and interpersonal skills while developing a specialty in accounting, economics, finance, management, or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, BBA with any Business Major

<https://www.wccnet.edu/articulation/apacct01b8>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-two credits at Washtenaw Community College as outlined on the Articulation Agreement.	82
	Complete a minimum of forty-two credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Accounting/Walsh College Accounting BAC, Business BBA, & Info Technology BS (APACCT03A1)**Description**

This program prepares students for transfer into a bachelor of accountancy, bachelor of business administration, or a bachelor of science in information technology program at Walsh College. Students will further improve their communication, analytical, and technical skills while developing a specialty in information technology, accounting, finance, management, or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Walsh College, Accountancy BAC, Business Administration BBA, and Information Technology BS

<https://www.wccnet.edu/articulation/apacct03a1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of eighty-two credits at Washtenaw Community College as outlined on the Articulation Agreement.	82
	Complete a minimum of forty-five credits at Walsh College as outlined on the Articulation Agreement.	0

Accounting/Wayne State Multiple Business Degrees BS (APACCT11B2)

Description

This program prepares students for transfer to a bachelor's of science degree program in Business Administration at Wayne State University, where they will further improve their communication and interpersonal skills while developing a specialty in accounting, finance, management, marketing or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, Business Administration Multiple Degrees BS

<https://www.wccnet.edu/articulation/apacct11b2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of eighty-two credits at Washtenaw Community College as outlined on the Articulation Agreement.	82
	Complete a minimum of forty credits at Wayne State University as outlined on the Articulation Agreement.	0

Addiction Studies (CTASTC)

Description

This program is designed for professionals interested in pursuing Certified Alcohol and Drug Counseling (CADC) certification through the State of Michigan. Courses focus on knowledge and skills necessary for working with clients with substance abuse disorders. This program will fulfill the educational requirements needed for CADC. Additional requirements for work experience and supervision must be met outside of this program.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
HSW 296	Neuropsychology of Addiction	3
HSW 297	Assessment of Co-occurring Disorders	3
HSW 298	Treatment of Addiction*	3
PSY 240	Drugs, Society and Human Behavior	3

Footnotes

*Must be the last course taken in the sequence of courses.

Accurate as of 05/19/2022 Information is subject to change without notice.

Administrative Assistant I (CTADA)**Description**

This program prepares students for immediate employment in entry-level information processing, receptionist, and general office positions. Students will obtain skills in document formatting, electronic organization and collaboration, record management, and Internet communication and scheduling. It also gives students credits that can be used toward an associate degree in Business Office Administration.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BMG 155	Business on the Internet	3
BMG 207	Business Communication	3
BOS 101C	Advanced Keyboarding	1
BOS 157	Word Processing and Document Formatting I	3
BOS 184	Spreadsheet Software Applications I	3
BOS 206	Personal Management Application and Internet Resources	2
BOS 257	Word Processing and Document Formatting II	3

Administrative Assistant II (CVAAST)**Description**

This program provides comprehensive preparation for individuals who are currently employed as office assistants and who wish to advance their careers in office administration by upgrading their skills. Providing the knowledge and skills necessary for employment as a high-level administrative assistant or executive assistant in the public or private sector, this advanced certificate builds on skills developed in the Administrative Assistant I certificate program. In the Administrative Assistant II program, emphasis is placed on the expanding duties of an administrative assistant, and on the necessity of acquiring an in-depth knowledge of integrated software applications for the office. While mastering the technical knowledge essential for the office professional, students will also learn office management and organizational principles. Additionally, the program provides opportunities for skill enhancement in information processing, basic financial management, electronic presentations, and office administration. Upon completion of this program, the student will receive an advanced certificate as an administrative assistant.

Admissions Requirements

Completion of the Administrative Assistant I Certificate. Exceptions may be allowed upon consultation with a program advisor and evidence of relevant prior professional and/or academic experience.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BOS 182	Database Software Applications	3
BOS 207	Presentation Software Applications	2
BOS 208	Desktop Publishing for the Office	3
BOS 230	Electronic Forms Design	3
BOS 250	Office Administration	4
BOS 284	Spreadsheet Software Applications II	3

Advanced Automotive Services Technician (CVASV2)**Description**

This advanced certificate builds on the electrical and mechanical skills developed in the Automotive Services Technician (CTASVT) certificate. This advanced certificate prepares students for employment as a certified automotive technician. The program also prepares the student for the State of Michigan certification exams. Using specialized electrical diagnostic equipment students will diagnose and repair vehicle systems such as Automotive Engines, Automatic and Manual Transmissions, Automotive HVAC systems and Powertrain Drivability systems.

Admissions Requirements

Academic Reading and Writing Levels of 6, Academic Math Level 3, and completion of the Automotive Services Technician (CTASVT) certificate

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
ASV 135	Facility Operations	3
ASV 251	Engine Diagnosis and Repair	2
ASV 257	Heating and Air Conditioning Systems	2
ASV 258	Engine Drivability	2
ASV 266	Advanced Transmissions	2

Elective	Restricted Elective(s): ABR 111, ABR 114, ASV 135, ASV 174, ASV 257, ASV 266, ASV 274, ASV 277, ASV 279, CSS 200, CSS 205, CSS 285, CST 185, MST 110	2
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Advanced Manufacturing (CNC)-Machine Tool Setup, Operation and Programming (APMTOP)

Description

In this program, students will demonstrate proficiency in the operation of automated design and machine tool equipment. Competencies in machine operation (CNC), computer aided design and manufacturing (CAD/CAM), manual programming, and processing materials will be developed. In addition, students will hone skills in the manufacturing and troubleshooting of part programs used for advanced manufacturing systems. Students will apply problem-solving skills learned in the program to create innovative solutions for real-world manufacturing challenges in preparation for entry-level positions within the advanced manufacturing field including CNC machining.

Students with technology interests who enjoy working with their hands like gaming, manipulating code, robotics, 3D printing are suited for this line of work.

Admissions Requirements

College Level Reading and Writing levels of 6 and Math Level 2 are required.

Students must reach Math Level 4 prior to enrolling in NCT 121.

Requirements

First Semester

Class	Title	Minimum Credits
MEC 101	Blueprint Reading for Manufacturing	2
NCT 100	Foundation Concepts for Manufacturing (CNC)	3
NCT 120	Introduction to 2D CAD CAM Programming and Applications	2
Elective	Math Elective(s)	3
Elective	Art/Human. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
MEC 100	Materials and Processes	3
NCT 101	Introduction to Computerized Machining (CNC) - I	2
NCT 110	Introduction to Computerized Machining (CNC) - II	2
Elective	Restricted Elective: Students may choose any ELE, MEC, NCT, ROB course not already listed.	2
Elective	Nat. Sci. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
NCT 123	2D CAD CAM CNC Programming for Mills and Lathes	2
Elective	Restricted Elective: Students may choose any ELE, MEC, NCT, ROB course not already listed.	2
Elective	Writing Elective(s)	3
Elective	Speech/Comp. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
ELE 111	Electrical Fundamentals	4
MEC 201	Mechanisms	2
NCT 121	Manual Programming and NC Tool Operation	4
NCT 201	Geometric Dimensioning and Tolerancing (GD&T)	2

Fifth Semester

Class	Title	Minimum Credits
NCT 221	Advanced Manual Programming and NC Tool Operation	4
NCT 244	Advanced Manufacturing Capstone (CNC)	3
WAF 103	Introduction to Gas Tungsten Arc Welding	2
Elective	Restricted Elective: Students may choose any ELE, MEC, NCT, ROB course not already listed.	3

Footnotes

Students may elect to take optional courses to meet MTA. Please refer to the WCC MTA Transfer Agreement web page <https://www.wccnet.edu/learn/transfer-wcc-credits/mta.php> for more information.

Accurate as of 05/19/2022 Information is subject to change without notice.

Advanced Manufacturing (CNC)-Operation Technician (CTMTOT)**Description**

In this program, students learn to setup and operate CNC machine tools with an introduction to programming. They learn how to use basic measurement tools and read blueprints. This certificate will highlight the fundamentals of manufacturing and measurement. Students completing this certificate will be able to safely perform basic skills within a manufacturing facility, including basic part manufacturing as well as the setup and operation of CNC machine tools to manufacture basic parts. Students will also be able to perform basic inspections using appropriate measurement tools.

Students with technology interests who enjoy working with their hands like gaming, manipulating code, robotics, 3D printing are suited for this line of work.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
MEC 100	Materials and Processes	3
MEC 101	Blueprint Reading for Manufacturing	2
NCT 100	Foundation Concepts for Manufacturing (CNC)	3
NCT 101	Introduction to Computerized Machining (CNC) - I	2
NCT 110	Introduction to Computerized Machining (CNC) - II	2
NCT 120	Introduction to 2D CAD CAM Programming and Applications	2
NCT 121	Manual Programming and NC Tool Operation	4

Advanced Manufacturing (CNC)-Programming and Setup Technician (CTMTPS)**Description**

In this program, students will learn to write, read, and edit programs for CNC machine tools. They will understand core canned cycles for milling and turning operations on CNC machine tools and have the skills to do 2D and 3D modeling and posting of CNC code using CAD/CAM software. Students will obtain a broader knowledge of equipment, geometric dimensioning and tolerancing skills to succeed in the manufacturing environment. Students completing this certificate will be able to create, edit, and debug code for local manufacturing companies.

Admissions Requirements

Completion of Advanced Manufacturing (CNC) - Operation Technician certificate. Academic Math Level 4 is required for NCT 221.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
ELE 111	Electrical Fundamentals	4
MEC 201	Mechanisms	2
NCT 123	2D CAD CAM CNC Programming for Mills and Lathes	2
NCT 201	Geometric Dimensioning and Tolerancing (GD&T)	2
NCT 221	Advanced Manual Programming and NC Tool Operation	4
NCT 244	Advanced Manufacturing Capstone (CNC)	3
WAF 103	Introduction to Gas Tungsten Arc Welding	2

Animation for Film and Broadcast (CVANIF)**Description**

This program will help prepare students to pursue a career in film, advertising, commercial and other pre-rendered animation fields. Students will learn to model, animate, texture and render in a fashion appropriate for the industries. They will also learn basic compositing and visual effects.

Admissions Requirements

Students must have completed the 3D Animation Certificate or have appropriate industry experience.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
ANI 235	Introduction to Compositing and Visual Effects	4
ANI 250	Organic Modeling and Rigging	4

ANI 260	3D Animation III	4
ART 127	Life Drawing I	4
VID 276	Video Graphics I	3

Animation for Game Art (CVANIG)

Description

This program focuses on the growing electronic game industry. Students will build on their 3D animation skills and learn how to create game levels and custom game assets. Students will create basic artificial intelligence entities and triggers as well as in-game cinematics. Students will learn how to package a game for distribution.

Admissions Requirements

Students must have completed the 3D Animation Certificate or have appropriate industry experience.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
ANI 180	Introduction to Game Level Design	4
ANI 190	History of Game Design	3
ANI 240	Advanced Game Level Design	4
ANI 250	Organic Modeling and Rigging	4
ANI 260	3D Animation III	4

Apprentice Completion (CTAC)

Description

This program gives skilled tradespersons who are sponsored by qualified organizations the opportunity to apply trade-related credits from their apprenticeship programs toward a WCC Certificate. Students must be sponsored by a qualified organization to enroll in this program.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
	Complete sponsored apprenticeship program in technical or trade-related coursework.	24-36

Footnotes

*See a program advisor to determine the courses for this certificate.

Accurate as of 05/19/2022 Information is subject to change without notice.

Arts Management (CTARTM)

Description

This program is designed to provide students desiring a creative lifestyle the entrepreneurial, management and social media skills needed to both create a sustainable plan for their own artistic skills, as well as access to become a management or creative social media asset to various businesses such as profit, non-profit and creative/artistic.

Articulation

Eastern Michigan University, BA degree
(Must earn an AA or AAS with the Arts Management certificate)

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements>.

Requirements

First Semester

Class	Title	Minimum Credits
HUM 181 or MUS 180 Elective	World Cultures Creativity Forum Music Appreciation: Our World HLA course or Specialty Restricted Elective(s)*	3 2-4
ART 285 or MUS 285 BMG 250	Self-Management for Working Artists Self Management for Working Artists Principles of Marketing	3 3

Second Semester

Class	Title	Minimum Credits
BMG 155 or BMG 168	Business on the Internet Facilities and Event Management	3
AUD 170 or COM 150 or VID 105	Introduction to Audio Technology Introduction to Radio Production Foundations in Digital Video I	3
ART 295 or MUS 295	Arts Management Capstone Arts Management Capstone	2
Elective	HLA course or Specialty Restricted Elective(s)*	2-4

Footnotes

*Specialty Restricted Elective(s) may include:

Art: ART 101, 108, 111, 112, 114, 122, 125, 127, 129

Ceramics: ART 121, 128

Music: MUS 105, 133, 140, 147, 154, 204, 205

Dance: DAN 107, 108, 111, 180

Drama: DRA 152, 180, 204, 208, 211

Film: FLM 120, 150, 160, 185

Humanities: ART 130, 143, 150; HUM 101, 102, 103, 145, 146; PHL 205

Languages: ARB, CHN, FRN, GRM, JPN, SPN

Photography: PHO 103, 111, 117, 127

Accurate as of 05/19/2022 Information is subject to change without notice.

Audio Production and Engineering (CTMPEA)**Description**

This program is designed for students who wish to develop skills in audio production and engineering that can be applied to multiple industries from music to the digital media arts. Students will assess their personal skills and interests against emerging trends in the industry and be given instruction and the opportunity to receive nationally recognized Avid Pro Tools certification. In addition, students will enhance their engineering skills in multiple recording and live sound settings from solo or group recording to live event reinforcement. Students will also advance their understanding of keyboard theory, music composition for software and develop a professional portfolio and resume by collaborating and networking with clients and professionals in their industry.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
AUD 170	Introduction to Audio Technology	3
AUD 180	Pro Tools Fundamentals I	2
AUD 181	Pro Tools Fundamentals II	2
AUD 240	Audio Production Techniques I	3
AUD 248	Introduction to Live Sound	3
AUD 250	Audio Production Techniques II	3
AUD 286	Music/Audio Project and Portfolio Production	3
	Restricted Elective (select one): COM 150, MUS 154 or any ANI, GDT, PHO, VID or WEB course	2-3

Auto Body Repair (CTAUBR)**Description**

This certificate will appeal to a wide array of automobile enthusiasts. Only aspiring body technicians and painters, individuals with an interest in custom cars, hobbyists, and those wishing to start a career in the collision repair industry, need apply. Through the use of NATEF approved curriculum, students will develop core skills such as dent removal, panel replacement, welding, and automobile refinishing techniques and collision-related mechanical repair. Emphasis is placed on preparing students for employment in an ever-changing workplace that adheres to A.S.E. and I-Car standards associated with the collision repair industry. This certificate also provides a stepping-stone to WCC's Advanced Auto Body certificates.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
ABR 111	Introduction to Auto Body Repair	4
ABR 112	Introduction to Automotive Refinishing	4

ABR 113	Estimating and Shop Operations	4
ABR 123	Technical Auto Body Repair	4
ABR 124	Technical Automotive Refinishing	4

Required Support Courses

Class	Title	Minimum Credits
Elective	Take an additional 10 credits from the list below:	
ABR 114 or	Applied Auto Body Welding	
ABR 116 or	The Evolution of the Automobile	
ABR 119 or	The Art of Metal Shaping	
ABR 130 or	Custom Painting	
ABR 174 or	ABR Co-op Education I	
ABR 231 or	Project Management and Implementation in Auto Body	
ABR 274	ABR Co-op Education II	10

Automotive Cybersecurity (CTACYB)

Description

This certificate program is designed to meet the emerging demand for highly skilled automotive cybersecurity professionals. In this certificate program, students are introduced to the skills and strategies needed to test security related to automobile networks and related infrastructure. Students will work with the various automobile networks (CAN, LIN, Ethernet, and FlexRay) and explore protocols and messages produced by the vehicle that could be vulnerable to attacks. Students will consider risk mitigation technologies including authentication, encryption and firewall technologies.

Learners in this program acquire the following skills: Learn basic networking concepts including V2V, V2I and V2X communication; Understand common security terms and concepts and how they relate to automobiles in both a technical and compliance nature; Understand relevant vehicle technologies including ECU's (Electronic control unit) and basic electrical theory; Read and write basic computer programs and scripts; Develop process and procedures for testing the security of a vehicle's information network; Practice reverse engineering techniques for testing security.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
ASV 131	Automotive Electrical	4
CPS 120	Introduction to Computer Science	3
CST 185	Local and Mobile Networking Essentials	4
CSS 200	Introduction to Network Security - Security+	4
CSS 285	Essentials of Automotive Penetration Testing	4

Automotive Service/EMU Technology Management BS (APASRV0105)

Description

The Technology Management degree program at Eastern Michigan University is designed for transfer students with an associate of applied science degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/apasrv0105>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Automotive Services Technician (CTASVT)

Description

This program prepares students for employment as a certified automotive technician. Students will diagnose and repair malfunctions in automobile engines, suspensions and steering systems, brakes, electrical and electronic systems and engine drivability issues. This program also offers opportunities to explore vehicle performance, diesel, alternative fuel vehicles, hybrid vehicles and to participate in the building of performance vehicles. The program prepares the student for the State of Michigan Mechanic Certification tests as well as the National Institute for Automotive Service Excellence (ASE) Certification Exams.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
ASV 130	Automotive Maintenance	4
ASV 131	Automotive Electrical	4
ASV 132	Automotive Engines	4
ASV 133	Automotive Fuel Systems	4
ASV 134	Automotive Transmissions	4
ASV 254	Suspension and Steering	2
ASV 255	Brakes	2
ASV 256	Electrical and Electronic Systems	4
Elective	Restricted Elective(s): ABR 111, ABR 114, ASV 135, ASV 174, ASV 257, ASV 266, ASV 274, ASV 277, ASV 279, CSS 200, CSS 205, CSS 285, CST 185, MST 110	2

Automotive Test Technician (APATT)

Description

In this program, students will be introduced to the test and data acquisition processes used in automotive testing. Students will learn to assemble and disassemble components for automotive testing. Diagnosis, maintenance and proper operation of complex data acquisition equipment are essential. Students will learn to monitor and calibrate testing instruments. Job possibilities include working in a crash lab or other testing facility.

Requirements

First Semester

Class	Title	Minimum Credits
ASV 130	Automotive Maintenance	4
ASV 131	Automotive Electrical	4
CST 185	Local and Mobile Networking Essentials	4
Elective	Writing Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ASV 256	Electrical and Electronic Systems	4
ASV 277	Automotive Powertrain Systems	4
CSS 285	Essentials of Automotive Penetration Testing	4
Elective	Arts/Human. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
ASV 258	Engine Drivability	2
MST 220	Dynamometer Operations	4
Elective	Speech/Comp. Elective(s)	3
Elective	Math Elective(s)	3
Elective	Nat. Sci. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
ABR 201	Lightweighting Composite Repair	4
MST 225	Advanced Dynamometer Tuning Systems	4
Elective	Restricted Elective(s): ABR 111, ASV 134, ASV 135, ASV 174, ASV 257, ASV 274, ASV 279, CSS 200, CSS 205, MST 110	4
Elective	Soc. Sci. Elective(s)	3

Footnotes

*Students may elect to take optional courses in Semester 5 to meet MTA. Please refer to the WCC MTA Transfer Agreement web page for more information: <https://www.wccnet.edu/learn/transfer-wcc-credits/mta.php> .

Accurate as of 05/19/2022 Information is subject to change without notice.

Automotive Test Technician/EMU Technology Management BS (APATT01O6)

Description

The Technology Management degree program at Eastern Michigan University is designed for transfer students with an associate of applied science degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/appat01o6>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Automotive Test Technician/WSU Elect, Electromech or Mech Engineer Tech BS (APATT11A2)

Description

This program is designed for students who are interested in earning a Bachelor of Science degree in Engineering Technology at Wayne State University. Students may choose from one of three engineering technology degrees at WSU: Mechanical, Electrical/Electronic or Electromechanical. Engineering technologists (ET) create the objects we depend on, from smartphones to suspension bridges and everything in between. They can apply their abilities in using technical equipment, selling technical products, supervising construction projects and manufacturing processes, and more. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, BS degree

For the entire list of articulation agreements: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	76
	Complete a minimum of forty-eight credits at Wayne State University as outlined on the Articulation Agreement.	0

Broadcast Media Arts (CTBCAC)

Description

The Broadcast Media Arts certificate gives students training in the realm of radio, including live production, editing, vocal delivery and scriptwriting. These skills set the groundwork for a career in radio and highlight training for other fields including voice-over work, broadcast journalism, public relations, marketing and promotions, advertising and media production. This certificate prepares students who are career-track minded and looking to go directly into the field, along with those who are planning to complete further studies.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
COM 150	Introduction to Radio Production	3
COM 155	Scriptwriting for Broadcast Arts	3
COM 160	Voice and Articulation	3
COM 170	Advanced Radio Production	3

Broadcast Media Arts (AABCM)**Description**

The Broadcast Media Arts program provides hands-on training in the realm of radio and gives students experience in live production, script-writing, announcing and editing. The program course offerings emphasize the communication and technical skills needed for jobs in a variety of fields within the media industry, including advertising, public relations, broadcast journalism, project production and producing. This program prepares students to either enter directly into the workforce or transfer to a four-year institution.

Articulation

Eastern Michigan University; BA and BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**First Semester**

Class	Title	Minimum Credits
COM 101	Fundamentals of Speaking	3
COM 155	Scriptwriting for Broadcast Arts	3
Elective	Math Elective(s)	3
Elective	Soc. Sci. Elective(s) 1	3
Elective	Restricted Elective(s): COM 142, COM 183, COM 210, COM 235, COM 240, DRA 152, FLM 120, GDT 104, JRN 111, PHO 111 or VID 105	3-4

Second Semester

Class	Title	Minimum Credits
COM 160	Voice and Articulation	3
ENG 111	Composition I	4
Elective	Nat. Sci. Elective(s)	3
Elective	Restricted Elective(s): Select two courses from COM 142, COM 183, COM 210, COM 235, COM 240, DRA 152, FLM 120, GDT 104, JRN 111, PHO 111 or VID 105	6-7

Third Semester

Class	Title	Minimum Credits
COM 130	Introduction to Mass Communication	3
COM 150	Introduction to Radio Production	3
ENG 107	Technical Writing Fundamentals	3
Elective	Nat. Sci. Lab Elective(s)	3
Elective	Restricted Elective(s): COM 142, COM 183, COM 210, COM 235, COM 240, DRA 152, FLM 120, GDT 104, JRN 111, PHO 111 or VID 105	3-4

Fourth Semester

Class	Title	Minimum Credits
COM 170	Advanced Radio Production	3
Elective	Soc. Sci. Elective(s) 2	3
Elective	Arts/Human. Elective(s) 2 (not COM)	3
Elective	Restricted Elective(s): Select two courses from COM 142, COM 183, COM 210, COM 235, COM 240, DRA 152, FLM 120, GDT 104, JRN 111, PHO 111 or VID 105	6-7

Broadcast Media Arts/EMU Communication or Comm, Media & Theatre Arts BA (AABCM01F2)**Description**

This program prepares students for transfer to a bachelor of arts or science degree program at Eastern Michigan University, where they will further improve their communication and interpersonal skills in personal, professional and public contexts. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Communication Major, BA or BS

<https://www.wccnet.edu/articulation/aabcm01f2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Broadcast Media Non-Occu/EMU Communication or Comm, Media & Theatre Arts BA (AABCM01Z1)**Description**

This program prepares students for transfer to a bachelor of arts degree program at Eastern Michigan University, where they will further improve their skills in communication, media and theatre arts. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Communication or Communication, Media and Theatre Arts

<https://www.wccnet.edu/articulation/aabcm01z1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Business Administration - Transfer (AABATR)**Description**

This program prepares students for transfer to a bachelor's of business administration degree program at a four-year college or university, where they will further improve their communication and interpersonal skills while developing a specialty in an area of business. Check with an advisor for information on transferring to a specific college.

Articulation

Eastern Michigan University, BBA degree*;
 Ferris State University, BS degree;
 Northwood University, BBA degree;
 Oakland University, BS degree;
 Siena Heights University, BBA degree;
 Walsh College, BA or BBA degree
 Wayne State University, BS degree.

This program can meet the Michigan Transfer Agreement (MTA). Students must have their transcripts certified for MTA completion by the WCC Student Records Office.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Students must have:

- Academic Math Level of 3 to enroll in MTH 125 and MTH 160
- Academic Math Level of 4 to enroll in MTH 176

Requirements

First Semester

Class	Title	Minimum Credits
BMG 140	Introduction to Business	3
ENG 111	Composition I	4
MTH 125 or MTH 160 or MTH 176	Everyday College Math Basic Statistics College Algebra	4
Elective	Nat. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ACC 111	Principles of Accounting I	3
BMG 207	Business Communication	3
CIS 110	Introduction to Computer Information Systems	3
Elective	Speech/Comp. Elective(s)	3
Elective	Arts/Human. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
ACC 122	Principles of Accounting II	3
BMG 111	Business Law I	3
BMG 265	Business Statistics	3
ECO 211	Principles of Economics I	3
Elective		3

Fourth Semester

Class	Title	Minimum Credits
ECO 222	Principles of Economics II	3
Elective	Nat. Sci. Lab Elective(s)	3
Elective	Arts/Human. Elective(s) 2	3
Elective	Electives to reach a minimum of 60 credits. It is recommended students complete one or more of the following: BMG 181, BMG 230, BMG 250. **	6
Elective	General Education Elective(s) (0-1 credit) to reach a minimum 30 General Education Credits	1

Footnotes

*See the MTA list to make course selections from any discipline except ECO.

**Check the requirements of the program and college to which you are transferring.

Accurate as of 05/19/2022 Information is subject to change without notice.

Business Administration-Transfer/EMU Business Administration BBA (AABATR01B7)

Description

This program prepares students for transfer to a bachelor's of business administration degree program at Eastern Michigan University, where they will further improve their communication and interpersonal skills while developing a specialty in accounting, economics, finance, management, or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Business Major (approved) BBA

<https://www.wccnet.edu/articulation/aabatr01b7>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-two credits at Washtenaw Community College as outlined on the Articulation Agreement.	82
	Complete a minimum of forty-two credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Business Administration-Transfer/Ferris Business Admin. Professional Trk BS (AABATR09B2)**Description**

This program prepares students for transfer to a bachelor of science in business administration professional track degree program at Ferris State University, where they will further improve their communication and interpersonal skills while developing a specialty in accounting, economics, finance, management, or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Ferris State University, Business Administration Professional Track BS

<https://www.wccnet.edu/articulation/aabatr09b2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety credits at Washtenaw Community College as outlined on the Articulation Agreement	90
	Complete a minimum of thirty credits at Ferris State University as outlined on the Articulation Agreement	0

Business Administration-Transfer/Northwood University Management BBA (AABATR04B2)**Description**

This program prepares students for transfer to a bachelor's of business administration degree program at Northwood University, where they will further improve their communication and interpersonal skills while developing a specialty in accounting, economics, finance, management, or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Northwood University, Business Administration BBA

<https://www.wccnet.edu/articulation/aabatr04b2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-seven credits at Washtenaw Community College as outlined on the Articulation Agreement.	97
	Complete a minimum of thirty-six credits at Northwood University as outlined on the Articulation Agreement.	0

Business Administration-Transfer/Oakland Univ Business Administration BS (AABATR14B1)**Description**

This program prepares students for transfer to a bachelor's of business administration degree program at Oakland University, where they will further improve their communication and interpersonal skills while developing a specialty in accounting, economics, finance, management, or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Oakland University, Business Administration Multiple Degrees BS

<https://www.wccnet.edu/articulation/aabatr14b1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of seventy-nine credits at Washtenaw Community College as outlined on the Articulation Agreement.	79
	Complete a minimum of forty-five credits at Oakland University as outlined on the Articulation Agreement.	0

Business Administration-Transfer/Wayne State Multiple Business Degrees BS (AABATR11B1)**Description**

This program prepares students for transfer to a bachelor's of science degree program in Business Administration at Wayne State University, where they will further improve their communication and interpersonal skills while developing a specialty in accounting, finance, management, marketing or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, Business Administration Multiple Degrees BS

<https://www.wccnet.edu/articulation/aabatr11b1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-two credits at Washtenaw Community College as outlined on the Articulation Agreement.	82
	Complete a minimum of forty credits at Wayne State University as outlined on the Articulation Agreement.	0

Business Enterprise (APBUSD)**Description**

In this program, students will develop a practical background in daily business operations, spanning the major fields of practice. Students will gain the knowledge and skills necessary to enter or advance in Business. Students can focus on one or more of the areas such as business management, marketing or finance.

Requirements**First Semester**

Class	Title	Minimum Credits
ACC 100 or ACC 111	Accounting Practices for Business	
BMG 140	Principles of Accounting I	3
BMG 207	Introduction to Business	3
BMG 230	Business Communication	3
BMG 250	Principles of Management	3
	Principles of Marketing	3

Second Semester

Class	Title	Minimum Credits
	Restricted Elective(s): Select 15 credits from ACC 110, ACC 131, BMG 111, BMG 160, BMG 165, BMG 181, BMG 205, BMG 206, BMG 228, BMG 240, BMG 273, BOS 184	15

Third Semester

Class	Title	Minimum Credits
BMG 293	Business Enterprise Essentials Capstone	1
Elective	Writing Elective(s)	3-4
Elective	Math Elective(s)	3-4
Elective	Nat. Sci. Elective(s)	3-4
Elective	Open Electives	5

Fourth Semester

Class	Title	Minimum Credits
Elective	Speech/Comp. Elective(s)	3-4
Elective	Soc. Sci. Elective(s)	3
Elective	Arts/Human. Elective(s)	3
Elective	Open Electives	6

Business Enterprise Basics (CTBUSB)

Description

In this program, students will build develop a foundational understanding of business operations basics. It will provide a framework for students to develop a plan for future study in the business field.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
ACC 100 or ACC 111	Accounting Practices for Business	
BMG 140	Principles of Accounting I*	3
BMG 207	Introduction to Business	3
BMG 230	Business Communication	3
BMG 250	Principles of Management	3
	Principles of Marketing	3

Footnotes

*A math level of 4 is required for ACC 111.

Accurate as of 05/19/2022 Information is subject to change without notice.

Business Enterprise Essentials (CVBUSE)

Description

In this program, students will build the essential skills for daily business operations, spanning the major fields of practice. Students will select courses from business management, marketing, finance and communication to build a personal career path.

Suggested Career Paths

Management

- BMG 111 Business Law I
- BMG 181 Introduction to Supply Chain Management
- BMG 228 Purchasing and Inventory Control
- BMG 240 Human Resources Management
- BMG 273 Management Operations
- BMG 293 Business Enterprise Essentials Capstone

Finance

- ACC 110 Payroll Accounting
- ACC 131 QuickBooks
- BMG 111 Business Law I
- BMG 228 Purchasing and Inventory Control
- BMG 293 Business Enterprise Essentials Capstone
- BOS 184 Spreadsheet Software Applications I

Marketing and Communications

BMG 160 Principles of Sales
 BMG 165 Introduction to Sports and Entertainment Management
 BMG 205 Creating the Customer Experience
 BMG 206 Retail Principles and Practices
 BMG 240 Human Resources Management
 BMG 293 Business Enterprise Essentials Capstone

Admissions Requirements

Completion of the Business Enterprise Basics Certificate

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
Elective	Restricted Elective(s): Select 15 credits from ACC 110, ACC 131, BMG 111, BMG 160, BMG 165, BMG 181, BMG 205, BMG 206, BMG 228, BMG 240, BMG 273, BOS 184	15
BMG 293	Business Enterprise Essentials Capstone	1

Business Office Admin-Law Option/EMU Paralegal Studies BS (APBOAD01B2)

Description

This program prepares students for transfer to a bachelor of science degree program at Eastern Michigan University. Students will learn the necessary skills to become a paralegal. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Paralegal Studies (Legal Assisting), BS

<https://www.wccnet.edu/articulation/apboard01b2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-nine credits at Washtenaw Community College as outlined on the Articulation Agreement.	79
	Complete a minimum of forty-five credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Footnotes

Accurate as of 05/19/2022 Information is subject to change without notice.

Business Office Admin-Medical Admin Option/EMU Health Administration BS (APBOAD01B3)

Description

This program prepares students for transfer to a bachelor of science degree program at Eastern Michigan University. It is designed to prepare those seeking a career in the administrative sector of the health care delivery system in any of its forms. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Health Administration BS

<https://www.wccnet.edu/articulation/apboard01b3>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
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Complete a maximum of seventy-eight credits at Washtenaw Community College as outlined on the Articulation Agreement.	78
Complete a minimum of forty-six credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Business Office Administration (APBOAD)

Description

This program prepares students for higher-level support positions in office settings where increased responsibilities require technical skills in desktop publishing, presentation software, accounting, and database software. Students will also gain broader skills through completion of the general education courses required for an associate's degree.

Note: This program is not an AAMA Certification preparation program.

Articulation

Eastern Michigan University, BS degree (applies to the Law Office Administration and Medical Administrative Assistant concentrations).

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

First Semester

Class	Title	Minimum Credits
BOS 101C	Advanced Keyboarding	1
BOS 106	Electronic Planning, Sharing and Organization	3
BOS 206	Personal Management Application and Internet Resources	2
ENG 111	Composition I	4
	Math Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ACC 100 or ACC 111	Accounting Practices for Business Principles of Accounting I	3
BOS 157	Word Processing and Document Formatting I	3
BOS 184	Spreadsheet Software Applications I Arts/Human. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
BMG 155	Business on the Internet	3
BOS 207	Presentation Software Applications	2
BOS 257	Word Processing and Document Formatting II	3
BOS 182 or BOS 284	Database Software Applications Spreadsheet Software Applications II Speech/Comp. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
BMG 207	Business Communication	3
BOS 208	Desktop Publishing for the Office Nat. Sci. Elective(s)	3

Fifth Semester

Class	Title	Minimum Credits
ACC 131	QuickBooks Software	3
BOS 230	Electronic Forms Design	3
BOS 250	Office Administration Soc. Sci. Elective(s)	4

First Semester

Class	Title	Minimum Credits
BOS 101C	Advanced Keyboarding	1
BOS 106	Electronic Planning, Sharing and Organization	3
BOS 206	Personal Management Application and Internet Resources	2

ENG 111	Math Elective(s)	3
	Composition I	4
Second Semester		
Class	Title	Minimum Credits
ACC 111	Principles of Accounting I	3
BOS 157	Word Processing and Document Formatting I	3
BOS 184	Spreadsheet Software Applications I	3
	Arts/Human. Elective(s)	3
Third Semester		
Class	Title	Minimum Credits
CJT 130	Introduction to Paralegal Studies	3
BOS 207	Presentation Software Applications	2
	Elective(s) Select one: BOS 182, BOS 257 or BOS 284	3
	Speech/Comp. Elective(s)	3
Fourth Semester		
Class	Title	Minimum Credits
BMG 111	Business Law I	3
BMG 155	Business on the Internet	3
	Select a second course: BOS 182, BOS 257 or BOS 284	3
	Nat. Sci. Elective(s)	3
Fifth Semester		
Class	Title	Minimum Credits
BMG 207	Business Communication	3
BOS 250	Office Administration	4
CJT 156	Everyday Law	4
	Soc. Sci. Elective(s)	3
First Semester		
Class	Title	Minimum Credits
BOS 101C	Advanced Keyboarding	1
BOS 106	Electronic Planning, Sharing and Organization	3
BOS 206	Personal Management Application and Internet Resources	2
	Math Elective(s)	3
ENG 111	Composition I	4
Second Semester		
Class	Title	Minimum Credits
BOS 157	Word Processing and Document Formatting I	3
BOS 184	Spreadsheet Software Applications I	3
HSC 124	Medical Terminology	3
BIO 109 or BIO 111	Essentials of Human Anatomy and Physiology Anatomy and Physiology - Normal Structure and Function	4
Third Semester		
Class	Title	Minimum Credits
BOS 207	Presentation Software Applications	2
BOS 257	Word Processing and Document Formatting II	3
MBC 223	Medical Office Procedures	3
	Speech/Comp. Elective(s)	3
Fourth Semester		
Class	Title	Minimum Credits
	Arts/Human. Elective(s)	3
BMG 155	Business on the Internet	3
BMG 207	Business Communication	3
MBC 224	Medical Insurance and Reimbursement	4
Fifth Semester		
Class	Title	Minimum Credits
BOS 182 or BOS 284	Database Software Applications Spreadsheet Software Applications II	3
HSC 131	CPR/AED and First Aid	1

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PHL 244	Ethical and Legal Issues in Health Care	3
	Soc. Sci. Elective(s)	3

First Semester

Class	Title	Minimum Credits
BOS 101C	Advanced Keyboarding	1
BOS 106	Electronic Planning, Sharing and Organization	3
BOS 206	Personal Management Application and Internet Resources	2
	Math Elective(s)	3
ENG 111	Composition I	4

Second Semester

Class	Title	Minimum Credits
ACC 100	Accounting Practices for Business	3
BOS 157	Word Processing and Document Formatting I	3
BOS 184	Spreadsheet Software Applications I	3
	Arts/Human. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
ACC 110	Payroll Accounting	2
BMG 155	Business on the Internet	3
BOS 207	Presentation Software Applications	2
BOS 257	Word Processing and Document Formatting II	3
	Speech/Comp. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
BMG 207	Business Communication	3
BMG 230	Principles of Management	3
BOS 182	Database Software Applications	3
	Nat. Sci. Elective(s)	3

Fifth Semester

Class	Title	Minimum Credits
BMG 240	Human Resources Management	3
BMG 279	Organizational Management	3
BOS 250	Office Administration	4
	Soc. Sci. Elective(s)	3

C++ Programming (CVCPGM)

Description

This program prepares students for jobs as a computer programmer where they will write C++ code and develop applications utilizing object-oriented programming techniques. Students will also develop skills that can be applied to the related jobs of programmer/analyst and software architect.

Admissions Requirements

Prior programming experience is recommended. Students who have no programming experience should consider taking CPS 120.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
CPS 171	Introduction to Programming with C++	4
CPS 271	Object Features of C++	4
CPS 272	Data Structures with C++	4

Cabinetmaking/Millwork Technology (CVCMT)

Description

This program is designed to develop skills and knowledge needed for positions such as trim carpenters, cabinetmakers, furniture makers and repair technicians. Students will develop skills related to the design, fabrication, and installation of interior cabinetry and trim systems for commercial and residential applications.

Articulation

Eastern Michigan University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Students must complete the Construction Technology I Certificate for entry into this program.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
CON 108	Introduction to Construction Technology	2
CON 170	Cabinetry and Millwork I	3
CON 173	Cabinetry and Millwork II	3
CON 175	Cabinetry and Millwork III	3
CON 250	Cabinet Shop Management and Fundamentals	3
CON 275	Cabinetry and Millwork IV	3

Cardiac Telemetry Technician (CCCTT)**Description**

Students in this program learn the skills required to become Cardiac Telemetry Technicians. Cardiac Telemetry Technicians are health professionals responsible for measuring and reporting the patient's heart rhythm and rate. Students will learn to ensure proper electrode placement on the patient, record the Electrocardiogram (ECG) and measure, interpret and report ECG wave form results to the nursing staff and physician. Upon successful completion of the certificate, students will also be eligible to take the National Certification Electrocardiogram (ECG) Exam.

Admissions Requirements

High school diploma or GED, 18 years old by the start of the clinical requirement, successful background check, Academic Reading and Writing Levels of 6

Continuing Eligibility

Must be met prior to starting HSC 140:

- Mandatory attendance at HSC 140 orientation
- Successful background check prior to taking the course, per explanation
- Academic Reading and Writing Levels of 6
- Completion of GED or high school diploma

Must be met prior to clinical placement in HSC 140:

- Negative TB skin test
- Complete Health History form (physical examination by practitioner)
- Hepatitis immunization series or updated titers on file
- Health insurance
- Current BLS/CPR from AHA
- Background check/drug/fingerprinting per policy of hospital

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
HSC 131	CPR/AED and First Aid	1
HSC 140	Cardiac Telemetry Monitoring	5

Child Development (CTCDA)**Description**

This program prepares students to meet all the requirements to apply for the national Child Development Associate (CDA) credential. It also prepares students for employment in child care centers or in family home daycare settings working with infants and toddlers, or preschoolers. Skills from the 13 functional areas required by the National Council for Early Childhood Professional Recognition are emphasized.

Admissions Requirements

Students must be at least 18 years of age and have a high school diploma or equivalent.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
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2022-23 Academic Programs

ECD 122	Essentials of Early Care and Education - I	4
ECD 123	Essentials of Early Care and Education - II	4
ECD 132	Child Development Practicum I	1
ECD 133	Child Development Practicum II	1
	Optional (not required): ECD 124*	

Footnotes

*This additional course is not required for the WCC Certificate, but may be taken to prepare for the final assessment test administered by the National Council and to complete the final observation assessment for the Child Development Associate credential.

Accurate as of 05/19/2022 Information is subject to change without notice.

Child Development (APCD)

Description

The Child Development Associate Degree program prepares students to be childhood education professionals. The coursework and practica prepare students to work effectively with young children and families in a variety of settings. The program satisfies Michigan state requirements for licensing as directors of child care centers, lead teachers in child care centers, home-based center providers, and support staff in public school early childhood programs and Head Start agencies. It also prepares students to transfer into a bachelor's degree program.

Articulation

Eastern Michigan University, BS degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Admissions Requirements

Academic Reading and Writing Levels of 6 are required in the courses of this program.

Continuing Eligibility

Students who wish to enroll in child care practicum courses: ECD 132 or ECD 133 must be employed a minimum of 8 hours for 15 weeks for each credit of practicum. Permission is required to enroll in any ECD practicum course. Permission can be granted only after the student has submitted a Work Place Learning Agreement, Student Agreement and an Employer Agreement.

Requirements

First Semester

Class	Title	Minimum Credits
ECD 101	Child Development	3
ECD 122	Essentials of Early Care and Education - I	4
ECD 132	Child Development Practicum I	1
ENG 111	Composition I	4
Elective	Nat. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ECD 123	Essentials of Early Care and Education - II	4
ECD 133	Child Development Practicum II	1
ECD 210	Curriculum for Young Children	3
Elective	Soc. Sci. Elective(s)*	3
COM 101 or COM 102 or COM 200	Fundamentals of Speaking Interpersonal Communication Family Communication	3

Third Semester

Class	Title	Minimum Credits
ECD 180	Working with Families in a Diverse Society	3
ECD 200	Child Guidance and Classroom Management	3
ECD 220	Development and Care of Infants and Toddlers	3
ECD 230	Child Observation and Assessment	3
MTH 148 or Any MTA MTH class	Functional Math for Elementary Teachers I	4

Fourth Semester

Class	Title	Minimum Credits
ECD 240	Education of the Young Child with Exceptionalities	3
ECD 280	The Developing Professional in Early Childhood Education	2
ECD 281	Practicum for the Developing ECE Professional	1

Elective	Select one course: ECD 205 or ECD 225	3
ENG 240 or	Children's Literature	
ENG 242	Diverse Children's Literature	3
Elective	Select any course to reach a minimum of 60 credits.	3

Footnotes

*Students are encouraged to select PSY 100 or SOC 100 for their social science elective.

Accurate as of 05/19/2022 Information is subject to change without notice.

Client-side Web Developer (CTWBCD)

Description

This program is designed for students interested in employment as Client-side Web Developers. Students will create standards-compliant, accessible and usable Web interfaces that meet both user and client needs.

Articulation

Eastern Michigan University, several BS degrees.

Admissions Requirements

College-level reading and writing

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
WEB 110	Web Development I	4
WEB 210	Web Development II	4
Elective	Any WEB, CIS or CPS course	3-4

Computed Tomography (CT) (CPCTOM)

Description

The Computed Tomography (CT) program is a post-associate advanced certificate program that is designed for registered radiologic technologists (ARRT), radiation therapists (ARRT), and nuclear medicine technologists (ARRT or NMTCB). This program offers the didactic and clinical experience that will provide students with the knowledge and skills that are required to become an entry-level computed tomography technologist. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) computed tomography guidelines. Upon successful completion of the Computed Tomography program, students are eligible to take the ARRT post-primary certification examination in computed tomography.

Admissions Requirements

Washtenaw Community College uses a limited enrollment process for admission to this program. Each year, approximately 12 students are accepted to the program for a Fall semester start. There are multiple requirements that must be completed prior to submitting an application for admission. For detailed information regarding admission to this health care program, please visit our Health Care website at <https://www.wccnet.edu/learn/departments/alhd/>.

Prerequisite and program requirements along with WCC's point system and scales are reviewed annually and subject to change. Students are expected to meet the prerequisite and program requirements of the catalog term for the semester in which they first begin the program. Details regarding WCC's admissions process and to download the application can be found on WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/>.

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite course:
 - a. Cross-sectional anatomy course from a JRCERT accredited college or hospital-based radiography program or RAD 223 with a minimum grade of B-/2.7 or completion of the ASRT module titled Sectional Anatomy Essentials: The Series. Applicants must prove receipt of credits from the ASRT.
3. Graduate of one (1) of the accredited programs below:
 - JRCERT
 - JRCNMT
 - Expected Spring/Summer graduate from WCC's Radiography program
4. Current American Registry of Radiologic Technologists (ARRT) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
 - Radiography (R)
 - Nuclear Medicine (N)
 - Radiation Therapy (T)
 - Certified Nuclear Medicine Technologist (CNMT)
 - Expected Spring/Summer graduate from WCC's Radiography program
5. Minimum cumulative college GPA of 3.0.
6. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to the program.

Applying for Admission to the Program

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Student Welcome Center, Health and Second Tier Program, information page <https://www.wccnet.edu/start-now/degree/2nd-tier/>. Completed and signed applications must be submitted during the dates indicated on the application to the Health and Second Tier Admissions Office in the Student Welcome Center, located on the second floor of the Student Center Building.

WCC Radiography students who are currently enrolled in the final year of their program and expected to graduate in the Spring/Summer semester are given priority and may submit an incomplete program application during the application window. It is strongly recommended that WCC Radiography graduates schedule and sit for their ARRT Certification Examination within the two weeks following the completion of their program. Verification of all pending admission prerequisite requirements must be submitted within the deadline to be eligible to begin the program if accepted.

Requirement After Acceptance

Upon acceptance, students must purchase an account from a college-designated vendor to obtain a criminal background check and to track their health records. The criminal background check and health records must be submitted to the designated vendor. Specific information regarding the college-designated vendor, health records, and deadline dates will be provided at the mandatory orientation session.

Continuing Eligibility

1. Additional criminal background checks may be conducted at any time during the program. Students may be required to have drug testing as well as additional criminal background checks and/or fingerprinting prior to the start of a clinical sequence as requested by specific clinical facilities. Any student found to have a positive drug screen for drugs prohibited by State of Michigan or Federal law (including marijuana) or controlled substances will be dismissed from the program. Failure to receive an acceptable criminal background/fingerprinting at any time, will result in dismissal from the program.
2. Students will be required to attend a hospital orientation session prior to starting their clinical rotation.
3. Students will be required to submit health records annually while in the program and must complete any other health requirements as designated by the clinical sites.
4. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
5. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program. Failure to demonstrate continued competency will result in dismissal from the program.
6. All Computed Tomography (CT) courses must be completed with a minimum grade of C/2.0.
7. Students must have reliable transportation to clinical education sites, which may require a commute of up to an hour.
8. Students who are dismissed from the program may not be eligible to reapply to the program.

Requirements

Semester 1 (Fall)

Class	Title	Minimum Credits
RAD 259	Introduction to Computed Tomography (CT) Instrumentation and Protocols	1
RAD 261	Patient Care in Computed Tomography (CT)	1
RAD 263	Practical Computed Tomography (CT) Imaging	3
RAD 265	Computed Tomography (CT) Clinical Education I	3

Semester 2 (Winter)

Class	Title	Minimum Credits
RAD 262	Principles of Computed Tomography (CT)	2
RAD 266	Advanced Computed Tomography (CT) Imaging	3
RAD 267	Computed Tomography (CT) Clinical Education II	3

Computer Networking Academy (CVCNAC)

Description

This Cisco Networking Academy program prepares students for a job as a network technician where they will install, configure, and troubleshoot Local Area Networks under the supervision of a network administrator. The focus is placed on cabling systems and internetworking hardware. It also gives students the knowledge they'll need to pass the Cisco Certified Network Associate Examination.

Admissions Requirements

Students must complete the Computer Systems Technology (CTCSTC) Certificate with a GPA of 2.0 or better or have equivalent industry experience to be admitted into the program.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
CNT 206	Introduction to Networks	4
CNT 216	Switching, Routing and Wireless Essentials	4
CNT 226	Enterprise Networking, Security, and Automation (ENSA)	4
CNT 295	CNT Cisco Certification Preparation	1

Computer Networking Operating Systems (CVCNOR)

Description

This program lays a foundation in preparation for a profession as a Microsoft Certified IT Professional. Students will install, configure, and troubleshoot Microsoft Client Server Networks. The program is designed to deploy and manage both Windows Server and Client Workstations in simulated real-life situations. Administering, managing, monitoring, and troubleshooting of Server Active Directory, Network Services, and other Server functions are all emphasized. All Server configured activities are tested out using Client Workstations to ensure they work, just as in a real business environment. The program is structured for those who are working towards Microsoft Server certifications. Also those already having certification who want to enhance their knowledge with the newer operating systems, as well as those who may just want to learn how to effectively implement these technologies are welcome.

Admissions Requirements

Completion of the Computer Systems Technology Program (CTCSTC) or CST 160 and CST 185 with a minimum grade of "C," passing the COMPTIA certification, or equivalent industry experience.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
CNT 201	Administering Microsoft Windows Client Operating Systems	3
CNT 211	Installation, Storage, and Compute - Windows Server	4
CNT 223	Networking with Windows Server	4
CNT 224	Identity with Windows Server	4

Footnotes

This program is designed to be completed in a two semester time frame.

Accurate as of 05/19/2022 Information is subject to change without notice.

Computer Science: Program in Java/EMU Computer Science BS (ASCSPJ01C4)

Description

This program prepares students to transfer to Eastern Michigan University to complete a bachelor's degree in Computer Science or Applied Computer Science and to pursue careers in computer science fields such as computer systems programming and analysis, software development and maintenance, and applications programming.

Articulation

Eastern Michigan University, Computer Science BS

<https://www.wccnet.edu/articulation/ascspj01c4>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-nine credits at Washtenaw Community College as outlined on the Articulation Agreement.	79
	Complete a minimum of forty-five credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Computer Science: Programming in Java (ASCSPJ)

Description

This program prepares students to transfer to Eastern Michigan University to complete a bachelor's degree in Computer Science or Applied Computer Science and to pursue careers in computer science fields such as computer systems programming and analysis, software development and maintenance, and applications programming.

Articulation

Eastern Michigan University, BBA, BA and BS degrees;
Madonna University BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Admissions Requirements

Students must have:

-Academic Math Level of 4 or higher to enroll in CPS 161.

-Academic Math Level of 4 or higher to enroll in MTH 176.

Requirements**First Semester**

Class	Title	Minimum Credits
CPS 161	An Introduction to Programming with Java	4
Elective	MTH 176 or higher 4 credit math course	4
Elective	Arts/Human. Elective(s) 1*	3
Elective	Nat. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ENG 111	Composition I	4
CPS 261	Advanced Java Concepts	4
CPS 276	Web Programming Using PHP and MySQL	4
Elective	Soc. Sci. Elective(s) 1	3

Third Semester

Class	Title	Minimum Credits
CIS 282	Database Principles and Application	3
CPS 278	Java Spring Framework	4
Elective	Nat. Sci. Lab Elective(s)	3
Elective	Speech/Comp. Elective(s)	3
Elective	Soc. Sci. Elective(s) 2	3

Fourth Semester

Class	Title	Minimum Credits
CIS 120	Linux/UNIX I: Fundamentals	3
CPS 251	Android Programming	4
CPS 298	Professional Team Programming	4
Elective	Arts/Human. Elective(s) 2*	3
Elective	General Education Elective(s) (0-1 credit) to reach a minimum 30 General Education Credits	1

Footnotes

*Suggest selecting a WCC general education course that satisfies EMU's Diverse World Requirement. A list of these courses may be found at <https://www.wccnet.edu/learn/transfer-wcc-credits/emu-diverse-world.php>.

See an advisor to choose courses that meet the requirements of the program to which you are transferring.

Accurate as of 05/19/2022 Information is subject to change without notice.

Computer Software Applications (CTCSSC)**Description**

This program provides computer skills training in seven office software applications, using the Microsoft Office Suite as well as a Web browser. These courses are primarily intended for students preparing for careers in the administrative office support area. The courses also give students skills that can be applied toward careers in computer application support and records management. It is recommended that students completing the software applications program be able to key at least 40 words per minute.

Articulation

Eastern Michigan University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BOS 106	Electronic Planning, Sharing and Organization	3
BOS 157	Word Processing and Document Formatting I	3
BOS 182	Database Software Applications	3
BOS 184	Spreadsheet Software Applications I	3

BOS 206	Personal Management Application and Internet Resources	2
BOS 207	Presentation Software Applications	2
BOS 208	Desktop Publishing for the Office	3

Computer Systems & Networking/EMU Technology Management BS (APCSNO1C6)

Description

This program prepares students for transfer to a bachelor of science degree program in technology management at Eastern Michigan University, where they will further their skills in computer systems and networking. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management, BS

<https://www.wccnet.edu/articulation/apcsn01c6>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Computer Systems Technology (CTCSTC)

Description

This program prepares students for employment as a microcomputer service technician. While preparing students to pass the Computer Technology Industry Association's (CompTIA) A+ Certification Examination, the program goes well beyond the requirements of the exam. The student will develop hands-on troubleshooting skills in solving hardware problems, working with operating systems, and relating to customers. This program also provides the foundation for Washtenaw Community College's two advanced certificates in computer networking.

Articulation

Eastern Michigan University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
CST 118	Microsoft Command Line Fundamentals	2
CST 160	Computer Technology I	4
CST 165	Computer Technology II	4
CST 185	Local and Mobile Networking Essentials	4
BMG 205 or CST 174 or CST 270	Creating the Customer Experience CST Co-op I Computer Forensics I	3-4

Computer Systems and Networking (APCSNO)

Description

In this associate degree program, students will learn about the latest desktop, server, and networking technologies. This program has a core of hardware, operating system, networking, and scripting courses that all students must complete. In addition to the common core subjects, students will select a specialized track in one of the following areas: Local and Wide Area Networking, Microsoft Network Operating Systems (Server and Client), and Linux Network Operating Systems.

Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**First Semester**

Class	Title	Minimum Credits
CST 118	Microsoft Command Line Fundamentals	2
CST 160	Computer Technology I	4
CST 165	Computer Technology II	4
CST 185	Local and Mobile Networking Essentials	4

Second Semester

Class	Title	Minimum Credits
CIS 120	Linux/UNIX I: Fundamentals	3
CNT 201	Administering Microsoft Windows Client Operating Systems	3
CNT 211	Installation, Storage, and Compute - Windows Server	4
Elective	Math Elective(s)	3
Elective	Speech/Comp. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
CNT 206	Introduction to Networks	4
CNT 216	Switching, Routing and Wireless Essentials	4
BMG 205 or CST 270	Creating the Customer Experience Computer Forensics I	3
Elective	Nat. Sci. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
CNT 223	Networking with Windows Server	4
CNT 224	Identity with Windows Server	4
Elective	Writing Elective(s)*	3
Elective	Arts/Human. Elective(s)	3

First Semester

Class	Title	Minimum Credits
CST 118	Microsoft Command Line Fundamentals	2
CST 160	Computer Technology I	4
CST 165	Computer Technology II	4
CST 185	Local and Mobile Networking Essentials	4

Second Semester

Class	Title	Minimum Credits
CIS 120	Linux/UNIX I: Fundamentals	3
CNT 201	Administering Microsoft Windows Client Operating Systems	3
CNT 211 or CNT 223 or CNT 224	Installation, Storage, and Compute - Windows Server Networking with Windows Server Identity with Windows Server	4
Elective	Math Elective(s)	3
Elective	Speech/Comp. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
CNT 206	Introduction to Networks	4
CNT 216	Switching, Routing and Wireless Essentials	4
BMG 205 or CST 270	Creating the Customer Experience Computer Forensics I	3
Elective	Nat. Sci. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
CNT 226	Enterprise Networking, Security, and Automation (ENSA)	4
CNT 290 or CSS 210	Network Forensics Network Perimeter Protection - CCNA Security	4
Elective	Writing Elective(s)*	3

Elective	Arts/Human. Elective(s)	3
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Footnotes

*Students transferring to a 4-year college should consider taking ENG 111 and completing MTA.

Accurate as of 05/19/2022 Information is subject to change without notice.

Construction Management (AACMG)**Description**

This program prepares students for entry-level jobs in the construction industry as well as for transfer to a bachelor's degree program in construction management at a four-year college or university. Students who transfer will continue developing the skills needed to work for construction contractors, engineering/architectural firms, public agencies, or trade associations in positions such as office engineer, field engineer, safety engineer, project engineer, foreman, estimator, scheduler, expeditor, quality control engineer, inspector, material representative or independent contractor. The program transfers to Eastern Michigan University. In addition to the required courses within the degree program, students may transfer additional courses taken at WCC that will be applied to technical, business and math/science requirements for the bachelor's degree program at Eastern Michigan University.

Articulation

Eastern Michigan University, several BS degrees

This program meets MTA. Students must have their transcripts certified for MTA completion by the WCC Student Records Office.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Two years of high school algebra is recommended.

Requirements**First Semester**

Class	Title	Minimum Credits
CMG 150	Introduction to Construction Management	3
ENG 111	Composition I	4
MTH 160	Basic Statistics*	4

Second Semester

Class	Title	Minimum Credits
ACC 111	Principles of Accounting I	3
CMG 130	Construction Site Safety and OSHA Regulations	3
MTH 178	General Trigonometry	3
	Arts/Human. Elective(s) 1	3
	Speech/Comp. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
BMG 240	Human Resources Management	3
CMG 180	Application of Construction Materials	3
ECO 211	Principles of Economics I	3
	Nat. Sci. Elective(s) 1	3

Fourth Semester

Class	Title	Minimum Credits
BMG 207	Business Communication	3
CMG 170	Construction Graphics	3
GLG 114	Physical Geology	4
	Arts/Human. Elective(s) 2	3
	Soc. Sci. Elective(s) 2	3

Fifth Semester

Class	Title	Minimum Credits
BMG 111	Business Law I	3
CMG 200	Construction Systems	3

Footnotes

*MTH 160 should be completed at WCC to satisfy EMU's Quantitative Reasoning Requirement. If completed at EMU, MATH 110 will be required unless waived by ACT/SAT or math placement score.

Students transferring to EMU should see the articulation agreement for additional courses that can be taken at WCC.

Accurate as of 05/19/2022 Information is subject to change without notice.

Construction Management/EMU Construction Management BS (AACMG01S1)

Description

The program prepares students to transfer into a bachelor's of construction management degree at Eastern Michigan University. Students who transfer will continue developing the skills needed to work for construction contractors, engineering/architectural firms, public agencies, or trade associations in positions such as office engineer, field engineer, safety engineer, project engineer, foreman, estimator, scheduler, expeditor, quality control engineer, inspector, material representative or independent contractor. Requirements vary by college, so students should obtain the current curriculum for the college to which they are transferring.

Articulation

Eastern Michigan University, Construction Management BS

<https://www.wccnet.edu/articulation/aacmg01s1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-five credits at Washtenaw Community College as outlined on the Articulation Agreement.	75
	Complete a minimum of forty-nine credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Construction Supervision (CTCNS)

Description

This Construction Supervision Certificate program enables apprentice and journey-level members of the articulated union building trade apprenticeship programs to enter the job market with knowledge and skills in planning, organizing and supervising construction projects. This certificate provides an option for those who want to attain a higher position in the construction field and for those desiring to start their own companies.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Admissions Requirements

The program is only open to active members of articulated union building trade apprenticeship programs.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
UAS 111	Construction Supervision I: Motivating Employees	3
UAS 122	Construction Supervision II: Supervisory Skills	3
UAS 210	Construction Supervision III: Legal and Personnel Aspects	3
UAS 222	Construction Supervision IV: The Construction Project	3
UAS 230	Construction Supervision V: Scheduling and Project Management	3

Construction Supervision (APCNSP)**Description**

This program gives apprentice and journey-level members of the articulated union building trade apprenticeship programs the opportunity to apply their apprenticeship training and trade-related experience toward an associate's degree in Construction Supervision. In addition to the courses in Construction Supervision, students will complete general education courses and receive prior learning credit for their work experience and apprenticeship.

Students must complete an apprenticeship program concentration in plumbing, pipefitting, HVAC, sprinkler fitting, ironworking, bricklaying, tile setting or other approved union building trade. Upon completion of this, students should apply for non-traditional credit evaluation of their apprenticeship experiences to meet the apprentice program concentration requirement (19-26 credits).

Architectural and Ornamental Ironworker (AOIW)

IWA 120
IWA 122
IWA 131
IWA 161
IWA 201
IWA 224
IWA 265

Brick and Block Laying Apprenticeship (BBLA)

BAC 100
BAC 101
BAC 102
BAC 110
BAC 111
BAC 112
BAC 210
BAC 211
BAC 212
BAC 213

HVAC Specialty (HVTC)

UAE 140
UAE 142
UAE 144
UAE 146
UAE 148
UAE 150
UAE 152
UAE 154
UAE 156
UAE 158

Journeyman Ironworker (JMIW)

IWA 120
IWA 122
IWA 131
IWA 141
IWA 155
IWA 161
IWA 172
IWA 201
IWA 224
IWA 272

Metal Building Erector (MTBE)

IWA 120
IWA 122
IWA 131
IWA 161
IWA 172
IWA 201
IWA 224
IWA 235

Pipefitter Specialty (PIPE)

UAF 102
UAF 120
UAF 122
UAF 124
UAF 126
UAF 128
UAF 130
UAF 132
UAF 134
UAF 136

Plumber Specialty (PLUM)

UAP 100
 UAP 102
 UAP 104
 UAP 106
 UAP 108
 UAP 110
 UAP 112
 UAP 114
 UAP 116
 UAP 118

Reinforcing Ironworker (REIW)

IWA 120
 IWA 122
 IWA 141
 IWA 201
 IWA 224
 IWA 241

Rigger/Machinery Mover (RGMM)

IWA 120
 IWA 122
 IWA 151
 IWA 155
 IWA 191
 IWA 201
 IWA 224

Sprinkler Fitter Specialty (SPRF)

UAR 160
 UAR 162
 UAR 164
 UAR 166
 UAR 168
 UAR 170
 UAR 172
 UAR 174
 UAR 176
 UAR 178

Tile Mechanics (TILM)

BAC 100
 BAC 101
 BAC 102
 BAC 120
 BAC 121
 BAC 122
 BAC 220
 BAC 221
 BAC 222
 BAC 223

Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

The program is only open to active members of articulated union building trade apprenticeship programs.

Requirements

First Semester

Class	Title	Minimum Credits
UAS 111	Construction Supervision I: Motivating Employees	3
	Math Elective(s)*	3
	Writing Elective(s)	4
	Union Approved Apprenticeship	5

Second Semester

Class	Title	Minimum Credits
UAS 122	Construction Supervision II: Supervisory Skills	3
UAS 210	Construction Supervision III: Legal and Personnel Aspects	3
	Arts/Human. Elective(s)	3

Speech/Comp. Elective(s)**	3
Union Approved Apprenticeship	3

Third Semester

Class	Title	Minimum Credits
UAS 222	Construction Supervision IV: The Construction Project	3
	Nat. Sci. Elective(s)***	3
	Soc. Sci. Elective(s)	3
	Union Approved Apprenticeship	6

Fourth Semester

Class	Title	Minimum Credits
UAS 230	Construction Supervision V: Scheduling and Project Management	3
	Elective to reach 60 credit minimum	3
	Union Approved Apprenticeship	9

Footnotes

* UA students may use APP 113 Math for Pipe Trades (3 credits)

**UA students may use UAT 210 Public Speaking (1.5 credits) and UAT 213 Planning, Teaching and Assessing Effective Lessons - Advanced (1.5 credits)

*** UA students may use SCI 102 Applied Science (3 credits)

Accurate as of 05/19/2022 Information is subject to change without notice.

Construction Supervision (ASCNSV)**Description**

This program gives apprentice and journey-level members of the articulated union building trade apprenticeship programs the opportunity to apply their apprenticeship training and trade-related experience toward an associate's degree in Construction Supervision. In addition to the courses in Construction Supervision, students will complete general education courses and receive nontraditional credit for their work experience and apprenticeship.

Students must complete an apprenticeship program concentration in plumbing, pipefitting, HVAC, sprinkler fitting, ironworking, bricklaying, tile setting or other approved union building trade. Upon completion of this, students should apply for prior learning credit evaluation of their apprenticeship experiences to meet the apprentice program concentration requirement (19-26 credits).

Architectural and Ornamental Ironworker (AOIW)

IWA 120
IWA 122
IWA 131
IWA 161
IWA 201
IWA 224
IWA 265

Brick and Block Laying Apprenticeship (BBLA)

BAC 100
BAC 101
BAC 102
BAC 110
BAC 111
BAC 112
BAC 210
BAC 211
BAC 212
BAC 213

HVAC Specialty (HVTC)

UAE 140
UAE 142
UAE 144
UAE 146
UAE 148
UAE 150
UAE 152
UAE 154
UAE 156
UAE 158

Journeyman Ironworker (JMIW)

IWA 120
IWA 122
IWA 131
IWA 141

IWA 155
IWA 161
IWA 172
IWA 201
IWA 224
IWA 272

Metal Building Erector (MTBE)

IWA 120
IWA 122
IWA 131
IWA 161
IWA 172
IWA 201
IWA 224
IWA 235

Pipefitter Specialty (PIPE)

UAF 102
UAF 120
UAF 122
UAF 124
UAF 126
UAF 128
UAF 130
UAF 132
UAF 134
UAF 136

Plumber Specialty (PLUM)

UAP 100
UAP 102
UAP 104
UAP 106
UAP 108
UAP 110
UAP 112
UAP 114
UAP 116
UAP 118

Reinforcing Ironworker (REIW)

IWA 120
IWA 122
IWA 141
IWA 201
IWA 224
IWA 241

Rigger/Machinery Mover (RGMM)

IWA 120
IWA 122
IWA 151
IWA 155
IWA 191
IWA 201
IWA 224

Sprinkler Fitter Specialty (SPRF)

UAR 160
UAR 162
UAR 164
UAR 166
UAR 168
UAR 170
UAR 172
UAR 174
UAR 176
UAR 178

Tile Mechanics (TILM)

BAC 100
BAC 101
BAC 102
BAC 120
BAC 121
BAC 122
BAC 220
BAC 221
BAC 222

BAC 223

Articulation

Eastern Michigan University, several BS degrees;
Ironworkers' Apprenticeship and Journeyman Training;
Rowan University, BA degree;
United Association Veterans in Piping.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

The program is only open to active members of articulated union building trade apprenticeship programs.

Requirements**First Semester**

Class	Title	Minimum Credits
UAS 111	Construction Supervision I: Motivating Employees	3
	Math Elective(s)	3
	Nat. Sci. Elective(s)	3
	Writing Elective(s) 1	4
	Union Approved Apprenticeship	3

Second Semester

Class	Title	Minimum Credits
UAS 122	Construction Supervision II: Supervisory Skills	3
UAS 210	Construction Supervision III: Legal and Personnel Aspects	3
	Arts/Human. Elective(s) 1	3
	Soc. Sci. Elective(s) 1	3
	Union Approved Apprenticeship	4

Third Semester

Class	Title	Minimum Credits
UAS 222	Construction Supervision IV: The Construction Project	3
	Arts/Human. Elective(s) 2	3
Elective	Nat. Sci. Lab Elective(s)	3
		2
Elective	Union Approved Apprenticeship	4

Fourth Semester

Class	Title	Minimum Credits
UAS 230	Construction Supervision V: Scheduling and Project Management	3
	Soc. Sci. Elective(s) 2	3
	Speech/Comp. Elective(s)*	3
	Union Approved Apprenticeship	8

Footnotes

*UA students may use UAT 210 Public Speaking (1.5 credits) and UAT 213 Planning, Teaching and Assessing Effective Lessons - Advanced (1.5 credits). All others should complete an approved Second Writing/Composition or Speech course from the approved list.

Accurate as of 05/19/2022 Information is subject to change without notice.

Construction Supervision/Rowan University Construction Management BA (ASCNSV13S1)**Description**

The program prepares students to transfer into a bachelor's of construction management degree at Rowan University. Students who transfer will continue developing the skills needed to work as supervisors, managers, inspectors for construction sites, buildings and associated facilities. Requirements vary by college, so students should obtain the current curriculum for the college to which they are transferring.

Articulation

Rowan University, Construction Management BA

<https://www.wccnet.edu/articulation/ascnsv13s1>

For the entire list of articulation agreements:
<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of eighty-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	84
	Complete a minimum of thirty-six credits at Rowan University as outlined on the Articulation Agreement.	0

Construction Technology (ASCT)

Description

The Residential Construction program teaches students how to build a home from the ground up. The program offers a balance of classroom theory and hands on training. Students will also learn how to start up their own construction business.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

First Semester

Class	Title	Minimum Credits
CON 104	Construction Framing I	3
CON 108	Introduction to Construction Technology	2
ENG 111	Composition I	4
MTH 178	General Trigonometry	3
	Arts/Human. Elective(s) 1*	3

Second Semester

Class	Title	Minimum Credits
CMG 130	Construction Site Safety and OSHA Regulations	3
CON 105	Construction Framing II	3
	Speech/Comp. Elective(s)	3
PLS 112	Introduction to American Government	3
		3

Third Semester

Class	Title	Minimum Credits
CON 204	Construction Finishes - Interior	3
CON 205	Construction Finishes - Exterior	3
PHY 105	Conceptual Physics	4
	Arts/Human. Elective(s) 2*	3
	General Education Elective(s) to reach a minimum 30	1
	General Education Credits	

Fourth Semester

Class	Title	Minimum Credits
CON 220	Construction Licensing, Contracts, and Start Up	3
CON 230	Construction Production	3
CON 255	Construction Concrete and Masonry	3
	Soc. Sci. Elective(s) 2	3
	Elective(s) to reach a minimum 60 credits	4

Footnotes

*SPN 111 is strongly recommended as one of the Arts/Humanities electives.

Accurate as of 05/19/2022 Information is subject to change without notice.

Construction Technology I (CTCON1)**Description**

This program prepares students for entry-level jobs in a broad range of careers in the construction industry, where they need an understanding of building systems, the safe use of tools and equipment, materials, and the vocabulary of the field.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
CON 104	Construction Framing I	3
CON 105	Construction Framing II	3
CON 108	Introduction to Construction Technology	2
CON 204	Construction Finishes - Interior	3
CON 205	Construction Finishes - Exterior	3
CON 255	Construction Concrete and Masonry	3

Construction Technology II (CVCON2)**Description**

This advanced certificate prepares students for specific careers in construction. The program will prepare students to take the State of Michigan Builder's License exam, create contracts for construction projects, and gain necessary techniques for specific contractors. Students preparing for the State of Michigan builder's license exam will also need CMG 130.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Completion of the Construction Technology I Certificate or two years experience in the construction industry is required for entry into this program.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
CON 220	Construction Licensing, Contracts, and Start Up	3
CON 230	Construction Production	3
CON 235	Construction - Building Codes and Prints	3
CON 240	Construction - Advanced Finishes and Techniques	3
CON 260	Construction Remodeling	3
CON 270	Construction Mechanicals	3

Construction Technology/EMU Technology Management BS (ASCT01S2)**Description**

The Technology Management degree program at Eastern Michigan University is designed for transfer students with an associate degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/asct01s2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement. See the articulation for suggested occupational areas.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Core Business Skills (CTBCS)**Description**

The purpose of this program is to provide a series of courses so students gain a basic understanding of business and the core foundation of business principles. The goal is to provide students the opportunity to combine this certificate with a number of other business certificates as they progress toward an associate's degree. The courses in this program are required in WCC's Business Associate in Arts Degree and the Accounting Associate in Applied Science programs. This certificate also supports WCC's Management, Retail and Supply Chain associate degree programs offered by the School of Business and Entrepreneurial Studies and supports any of the occupational programs where students will be working in a business setting.

Admissions Requirements

An Academic Math Level is required for CIS 110, ACC 111 and BMG 265.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
ACC 111	Principles of Accounting I	3
ACC 122	Principles of Accounting II	3
BMG 111	Business Law I	3
BMG 140	Introduction to Business	3
BMG 207	Business Communication	3
BMG 265	Business Statistics	3
CIS 110	Introduction to Computer Information Systems	3

Criminal Justice (AACJ)**Description**

This program helps prepare students for jobs in the courts and in corrections (such as probation and parole) as well as state and federal law enforcement. Most, but not all, of these jobs require at least a bachelor's degree and students can complete their first 3 years at WCC before transferring to other four-year schools such as EMU for their final year.

Articulation

Eastern Michigan University, BA degree and several BS degrees*;
Madonna University, BS degree.

*For those interested in pursuing a degree in Criminology and Criminal Justice from EMU, students may take additional credit hours at WCC and transfer a total of 94 credits to EMU towards a Bachelor's Degree (124 hours). The following additional classes are recommended: ANT 201, SOC 207, SOC 250, and PSY 257.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Students must have an Academic Math Level of 3 to enroll in MTH 160. One year of high school algebra is recommended.

Requirements**First Semester**

Class	Title	Minimum Credits
CJT 100	Introduction to Criminal Justice	3
CJT 111 or CJT 156	Police/Community Relations Everyday Law	3-4
COM 102	Interpersonal Communication	3
ENG 111	Composition I	4
Elective	Nat. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
CJT 120	Criminal Justice Ethics	3
CJT 160	Criminal Justice Constitutional Law	3
CJT 209	Criminal Law	3
ENG 226	Composition II	3
MTH 160	Basic Statistics	4

Third Semester

Class	Title	Minimum Credits
CJT 208	Criminal Evidence and Procedure	3
CJT 223	Juvenile Justice	3
PSY 100	Introduction to Psychology	3
Elective	Nat. Sci. Lab Elective(s)	3
	Elective(s) (0-1 credits) to reach minimum 60 credits	1

Fourth Semester

Class	Title	Minimum Credits
ANT 201	Introduction to Cultural Anthropology	3
CJT 144 or CJT 170	Parole, Probation, and Community Corrections Domestic and International Terrorism	3
CJT 224	Criminal Investigation	3
SOC 100	Principles of Sociology	3
Elective	Arts/Human. Elective(s) 2 Not COM	3

Criminal Justice - Law Enforcement (APCJLE)**Description**

This program prepares students for certification to work in law enforcement jobs in the State of Michigan. Students must complete the academic program prior to entering the Police Academy component of the program.

Articulation

Eastern Michigan University, BS degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Continuing Eligibility

-Admission to the Police Academy component of this program (CJT 229A and CJT 229B) is based on passing reading, writing, and physical activity examinations as well as fingerprinting and criminal history checks. Students are admitted to the program based on the priorities established by the Michigan Commission on Law Enforcement Standards (MCOLES).

-Students who do not enter the academy may complete the Criminal Justice Associate in Arts Degree instead of the Criminal Justice Law Enforcement Associate in Applied Science Degree, and will not be certified for employment.

-Students admitted to the Police Academy are required to purchase gym clothes, khaki uniforms, textbooks, and other supplies.

-Academy students are required to adhere to additional rules of behavior and discipline beyond the general code of conduct.

Requirements**First Semester**

Class	Title	Minimum Credits
CJT 100	Introduction to Criminal Justice	3
ENG 100 or ENG 111	Introduction to Technical and Workplace Writing Composition I	4
	Arts/Human. Elective(s)	3
	Math Elective(s)	3
PEA 115	Health and Fitness Experience	.5

Second Semester

Class	Title	Minimum Credits
CJT 111	Police/Community Relations	3
CJT 120	Criminal Justice Ethics	3
CJT 160	Criminal Justice Constitutional Law	3
COM 102	Interpersonal Communication	3
	Nat. Sci. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
CJT 170	Domestic and International Terrorism	3

CJT 224	Criminal Investigation	3
ANT 265	Introduction to Forensic Anthropology	3
PEA 115	Health and Fitness Experience	.5
PSY 100 or PSY 200	Introduction to Psychology Child Psychology	3

Fourth Semester

Class	Title	Minimum Credits
CJT 229A	Law Enforcement Training Part I	12
CJT 229B	Law Enforcement Training Part II	7

Footnotes

It is recommended that students take one or two semesters of Spanish in addition to program requirements.

Accurate as of 05/19/2022 Information is subject to change without notice.

Criminal Justice/EMU Criminology and Criminal Justice BS (AACJ01C1)

Description

This program helps prepare students for jobs in the courts and in corrections (such as probation and parole) as well as state and federal law enforcement. Most, but not all, of these jobs require at least a bachelor's degree and students can complete their first three years at WCC before transferring to Eastern Michigan University. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Criminology and Criminal Justice BS

<https://www.wccnet.edu/articulation/aacj01c1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
		94
		0

Criminal Justice/EMU Public Safety Administration BS (AACJ01C2)

Description

This program helps prepare students for jobs in the courts and in corrections (such as probation and parole) as well as state and federal law enforcement. Most, but not all, of these jobs require at least a bachelor's degree and students can complete their first three years at WCC before transferring Eastern Michigan University. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Public Safety Administration BS

<https://www.wccnet.edu/articulation/aacj01c2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Criminal Justice/EMU Technology Management BS (AACJ01C3)**Description**

The technology management program is designed for transfer students with an associate of applied science degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management in a variety of fields including criminal justice. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/aacj01c3>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Criminal Justice/Madonna Criminal Justice BS (AACJ10C1)**Description**

This program helps prepare students for jobs in the courts and in corrections (such as probation and parole) as well as state and federal law enforcement. Most, but not all, of these jobs require at least a bachelor's degree and students can complete their first three years at WCC before transferring to Madonna University. Students should check with an advisor for information on transferring.

Articulation

Madonna University, Criminal Justice BS

<https://www.wccnet.edu/articulation/aacj10c1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety credits at Washtenaw Community College as outlined on the Articulation Agreement	90
	Complete a minimum of thirty credits at Madonna University as outlined on the Articulation Agreement	0

Custom Auto Body Fabrication and Chassis Design (CVABFC)**Description**

The Custom Auto Body Fabrication and Chassis Design certificate focuses on advanced body and paint techniques used to customize automobiles and turn them into "rolling showpieces." Students will expand on knowledge acquired in the Auto Body Repair program. Working in teams, students will build, complete and show a project vehicle. Students will learn advanced sheet metal fabrication and construction of a custom automobile chassis. Areas of study will include various types of building materials and their uses, measurement, pattern development, mechanical drawing, fastener selection, MIG and TIG welding and frame design and suspension types. Other topics such as candies, pearls, tri-stage paint jobs and the application of custom graphics will be discussed. Upon acquiring this advanced certificate, employment possibilities may include specialty shop technician, custom paint technician and metal fabricator/welder.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
CCC 210	Custom Auto Body Technician I	4
CCC 215	Custom Fabrication and Chassis Design I	4
CCC 250	Custom Auto Body Technician II	4
CCC 255	Custom Fabrication and Chassis Design II	4

Cybersecurity (APCSCY)

Description

In this program, students are introduced to the skills and strategies needed to plan and carry out security measures to protect an organization's computer networks and systems. Students will learn networking and network security skills using server, infrastructure and perimeter technologies working in Linux operating systems, Cisco infrastructure and perimeter devices, and Microsoft operating systems.

Articulation

Eastern Michigan University, BS degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Continuing Eligibility

Minimum grade of "C" in all major courses

Requirements

First Semester

Class	Title	Minimum Credits
CIS 120	Linux/UNIX I: Fundamentals	3
CNT 201	Administering Microsoft Windows Client Operating Systems	3
CNT 206	Introduction to Networks	4
Elective	Writing Elective(s)*	3
Elective	Soc. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
CNT 216	Switching, Routing and Wireless Essentials	4
CPS 141	Introduction to Programming Using Python	4
CSS 200	Introduction to Network Security - Security+	4
CSS 205	Essentials of Network Penetration Testing	4

Third Semester

Class	Title	Minimum Credits
CNT 226	Enterprise Networking, Security, and Automation (ENSA)	4
CSS 210	Network Perimeter Protection - CCNA Security	4
CNT 211 or CNT 223 or CNT 224	Installation, Storage, and Compute - Windows Server Networking with Windows Server	4
MTH 160	Identity with Windows Server Basic Statistics	4

Fourth Semester

Class	Title	Minimum Credits
CNT 290	Network Forensics	4
CSS 225	Cybersecurity Operations - CCNA Cyber Ops	4
Elective	Arts/Human. Elective(s)	3
Elective	Speech/Comp. Elective(s)	3
Elective	Nat. Sci. Elective(s)	3

Footnotes

*Students planning to transfer to a 4-year college should take ENG 111; otherwise, student may consider ENG 107.

Accurate as of 05/19/2022 Information is subject to change without notice.

Cybersecurity Operations (CVCSO)

Description

In this program, students will develop the knowledge and skills associated with monitoring, detecting, investigating, analyzing and responding to security events, thus protecting systems and organizations from cybersecurity risks, threats and vulnerabilities. Students will prepare for the Cisco CCNA Cyber Operations Associate Examination.

Admissions Requirements

Completion of the Principles of Cybersecurity Advanced Certificate

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
CNT 290	Network Forensics	4
CPS 141	Introduction to Programming Using Python	4
CSS 225	Cybersecurity Operations - CCNA Cyber Ops	4
CSS 296	Cybersecurity Operations Certification Preparation	1

Cybersecurity/EMU Information Assurance and Cyber Defense BS (APCSCY0112)

Description

This program prepares students to transfer to Eastern Michigan University to complete a BS degree in Information Assurance and Cyber Defense. The Bachelor of Science program prepares students with the knowledge and skill set necessary for future computing and cybersecurity professionals to build, maintain and protect networks and computer systems in both government and industry.

Articulation

Eastern Michigan University, Information Insurance and Cyber Defense BS

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	76
	Complete a minimum of fifty-one credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Dental Assisting (CFDAC)

Description

This program prepares students for entry-level dental assisting positions in a variety of settings such as private dental offices, dental schools, the military, and dental insurance offices. The curriculum includes the required dental radiography courses that allow graduates to expose dental radiographs in the State of Michigan. The program also prepares students for the Dental Assisting National Board (DANB) examination, which leads to the nationally recognized status of a Certified Dental Assistant (CDA). As a CDA, graduates assist in the treatment of patients. Graduates of the program are also prepared to take the Michigan State Board of Dentistry examination, which gives recognition as a Registered Dental Assistant (RDA). As an RDA in the State of Michigan, graduates can perform specific intra-oral functions generally performed by a dentist. The program is accredited by the American Dental Association Commission on Dental Accreditation, 211 East Chicago Avenue, Chicago, Illinois 60611.

Students may enroll in this program in one of two pathways. Pathway I is the format for the student who is not employed in a dental office. Pathway II (ADAEP) is the advanced standing option for the dental assistant with two or more years of experience as a dental assistant who has passed all three portions of the Dental Assisting National Board (DANB) CDA examination. These pathways are described in detail at <https://catalog.wccnet.edu/current/programs/cfdac.php>.

Admissions Requirements

Washtenaw Community College uses a limited enrollment process for admission to this program. There are multiple requirements that must be completed prior to submitting an application for admission. For detailed information regarding admission to this health care program, please visit our Health Care website at <https://www.wccnet.edu/learn/departments/alhd/>. Prerequisite and program requirements along with WCC's point system and scales are reviewed annually and subject to change.

Students are expected to meet the prerequisite and program requirements of the catalog term for the semester in which they first begin the program. Details regarding WCC's admissions process and to download the application can be found on WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/>.

Admission Requirements for Pathway I (On Campus):

Each year approximately 24 students are accepted to Pathway I for a Fall start on a first-qualified, first-admitted basis.

1. Admission to WCC.
2. Participation in a mandatory information session. Contact Jodi Neuman at jneuman@wccnet.edu.
3. Program prerequisite courses:
 - a. Students who have not completed a class using an online Learning Management System through their high school or BlackBoard at WCC within the previous two years must complete ACS 1035 (Introduction to Online Learning).
 - b. HSC 101 or HSC 124 with a minimum grade of C+/2.3. Students who have completed BIO 109 or BIO 111 will have the admission requirement for HSC 101 or HSC 124 waived.
4. Academic Reading Level of 6 (College Level).
5. Academic Writing Level of 6 (College Level).
6. Verification of high school diploma or its equivalent, or post-secondary degree.

7. 18 years of age by May 15th of the year of program completion.
8. Signed Student Competencies Form (see application packet). WCC reserves the right to request, before or during the program, that students successfully demonstrate specific physical and cognitive abilities related to the program.

Admission Requirements for Pathway II (ADAEP):

Each year, approximately 12 students are accepted to Pathway II for a Fall semester start on a first-qualified, first-admitted basis.

1. Admission to WCC.
2. Contact Tina Sprague in the Dental Assisting Department at ksprague@wccnet.edu.
3. Program prerequisite courses:
 - a. ACS 1035 (Introduction to Online Learning).
4. Academic Reading Level of 6 (College Level).
5. Academic Writing Level of 6 (College Level).
6. Current and valid CPR card.
7. Pass all three portions (GC, RHS and ICE) of the Dental Assisting National Board (DANB) Certified Dental Assisting (CDA) Examination or graduate from an American Dental Association (ADA) Commission on Dental Accreditation (CODA) Accredited Dental Assisting program.
8. Students must be employed in a dental office at least 24 hours per week as a chairside dental assistant. The participating dentist must validate the student's skills (see the Student Agreement of Participation and Dentist Agreement of Participation forms in the admission packet).

Applying for Admission to the Program

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Student Welcome Center, Health and Second Tier Program, information page <https://www.wccnet.edu/start-now/degree/2nd-tier/>. Completed and signed applications must be submitted during the dates indicated on the application to the Health and Second Tier Admissions Office in the Student Welcome Center, located on the second floor of the Student Center Building. Applications for both pathways are processed on a first-qualified, first admitted basis.

Continuing Eligibility

Continuing Eligibility for Pathway I (On Campus):

1. Students must purchase an account from a college-designated vendor to obtain a criminal background check and submit health records to the department by the deadlines provided at the mandatory orientation session.
2. Additional background checks may be conducted at any time during the program. Students may be required to have drug testing as well as additional criminal background checks and/or fingerprinting prior to the start of a clinical sequence as requested by specific clinical facilities. Any student found to have a positive drug screen for drugs prohibited by State of Michigan or Federal law (including marijuana) or controlled substances will be dismissed from the program. Failure to receive an acceptable criminal background/fingerprinting at any time, will result in dismissal from the program.
3. Students must complete any other health requirements as designated by the clinical sites.
4. All Dental Assisting (DEN) and support courses to the program must be completed with a minimum grade of C/2.0.
5. Students who are dismissed from the program may not be eligible to reapply to the program.

Continuing Eligibility for Pathway II (ADAEP):

1. Continual employment working a minimum 24 hours per week as a chairside dental assistant during the program is required.
2. All Dental Assisting (DEN) and support courses to the program must be completed with a minimum grade of C/2.0.
3. Students may be required to have drug testing as well as criminal background checks and/or fingerprinting as requested by the Dental Assisting Department. Any student found to have a positive drug screen for drugs prohibited by State of Michigan or Federal law (including marijuana) or controlled substances will be dismissed from the program. Failure to receive an acceptable criminal background/fingerprinting at any time, will result in dismissal from the program.
4. Students who are dismissed from the program may not be eligible to reapply to the program.

Requirements

Semester 1 (Fall)

Class	Title	Minimum Credits
DEN 102	Managing Safe Practice in Dentistry	1
DEN 106	Biomedical Science for Dental Assistants	2
DEN 107	Oral Anatomy	2
DEN 108	Dental Radiography	2
DEN 110	Basic Clinical Dental Assisting	4
DEN 112	Dental Materials	3

Semester 2 (Winter)

Class	Title	Minimum Credits
DEN 118	Preventive Dentistry	2
DEN 120	Patient Records	1
DEN 128	Dental Radiography Practice	1
DEN 129	Patient Assessment	2
DEN 130	Clinical Practice	2
DEN 131	Principles of Dental Specialties	4

Semester 3 (Spring/Summer)

Class	Title	Minimum Credits
DEN 202	Advanced Clinical Practice	2
DEN 204	Advanced Functions	4
DEN 212	Dental Practice Management	3

DANB Exam

Class	Title	Minimum Credits
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Students must pass all three portions of the Dental Assisting National Board (DANB) Certified Dental Assistant (CDA) exam prior to entry. 22

First Semester

Class	Title	Minimum Credits
DEN 204	Advanced Functions	4
DEN 230	Alternative Dental Assisting Education Project	9

Footnotes

Dental Assisting Certificate and Degree Completion

Students completing the Dental Assisting courses outlined above will obtain a Certificate in Dental Assisting. Students may also complete an associate degree by using the same core dental assisting courses in addition to completing the general education requirements and electives for an Associate in Applied Science Degree in Occupational Studies.

Accurate as of 05/19/2022 Information is subject to change without notice.

Digital Business Marketing and Sales (CTBSMS)

Description

This certificate is designed to provide students with the opportunity for employment in digital marketing and sales that require basic digital business applications. Specific skills include customer interface, basic market research, business trends, presentation content, presentation tools and business market analysis. This program allows students to obtain this certificate as a specialized credential as they progress towards an advanced business certificate, Associate Degree or a transfer pathway to a four-year university.

Admissions Requirements

Competency in keyboarding and internet navigation skills are necessary for success in this program. If students need to improve keyboarding skills, take BOS 101A before beginning the program.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
BMG 160	Principles of Sales	3
BMG 205	Creating the Customer Experience	3
BMG 207	Business Communication	3
BMG 155 or	Business on the Internet*	
BMG 250	Principles of Marketing	3

Footnotes

*It is advised that students planning to transfer to EMU complete BMG 155 because BMG 250 is a required course in the EMU business program.

Accurate as of 05/19/2022 Information is subject to change without notice.

Digital Strategist (CTWDGS)

Description

This program is for students interested in the strategic management aspects of web design and development. Courses focus on the knowledge and skills necessary for employment as a digital strategist, marketing specialist or project manager.

Articulation

Eastern Michigan University, several BS degrees.

Admissions Requirements

College-level reading and writing

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
BMG 155	Business on the Internet	3
WEB 133	Digital Strategy	4
WEB 163	User Research and Project Management	4

Digital Video Production (CTDVPC)**Description**

This program prepares students for entry-level media production positions in organizations where they will create digitized video productions for the Web and other presentation forms that may be used for informational, documentary, instructional, commercial, artistic, or other purposes. The program provides instruction in all facets of video production from program design to hands-on recording through the editing process. Students also gain skills in the use of computer software applications.

Articulation

Eastern Michigan University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

A high school Macintosh-based course, or GDT 105 with a "C-" or better, or instructor permission is recommended.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
PHO 111	Photography I	4
VID 105	Foundations in Digital Video I	4
VID 125	Foundations in Digital Video II	4
VID 203	Commercial Video Production	3
VID 270	Documentary Video Production I	3
VID 276	Video Graphics I	3

Digital Video Production (AADVP)**Description**

The Associate in Arts Degree in Digital Video Production provides students with specialized training to develop proficiency in advanced and professional video production. Emphasis is placed on integrating content creation with Web skills.

Articulation

Eastern Michigan University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**First Semester**

Class	Title	Minimum Credits
ENG 111	Composition I	4
FLM 120 or FLM 150 or FLM 185	Introduction to Film International Cinema The Horror Film	3
PHO 111	Photography I	4
VID 105	Foundations in Digital Video I	4

Second Semester

Class	Title	Minimum Credits
FLM 160	American Film	3
VID 125	Foundations in Digital Video II	4
VID 270	Documentary Video Production I	3
	Math Elective(s)	3
	Arts/Human. Elective(s) 2 (Not FLM)	3

Third Semester

Class	Title	Minimum Credits
VID 210 or VID 240 VID 276	Screenplays Digital Cinematography Video Graphics I	3 3 3
	Speech/Comp. Elective(s)	3
	Nat. Sci. Elective(s) 1	3
	Soc. Sci. Elective(s) 1	3

Fourth Semester

Class	Title	Minimum Credits
VID 275 or Elective	Documentary Video Production II Select a course from the VID discipline.	3
VID 203	Commercial Video Production	3
VID 295	Portfolio and Project Seminar	3
	Nat. Sci. Lab Elective(s) 2	3
	Soc. Sci. Elective(s) 2	3

Digital Video Production/EMU Technology Management BS (AADVP01G2)**Description**

The Technology Management degree program at Eastern Michigan University is designed for transfer students. This interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/aadvp01g2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a minimum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Early Childhood Education (AAECED)**Description**

The program prepares students to transfer into an early childhood education program at a four-year college or university. The first two years of instruction in a bachelor's degree program in an early childhood education major is covered. The program includes the general education courses that prepare students for the state-mandated basic skills tests for teachers in the State of Michigan. Requirements vary by college, so students should obtain the current curriculum for the college to which they are transferring.

Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Admissions Requirements

Academic Math Level of 3 is required to enroll in required math course. If remedial math course is needed, it is suggested student take during the first semester.

Continuing Eligibility

GPA of 2.0 or higher

Requirements**First Semester**

Class	Title	Minimum Credits
ECD 101	Child Development	3
COM 101	Fundamentals of Speaking	3
ENG 111	Composition I	4
ENG 240	Children's Literature	3
GEO 101	World Regional Geography	3

Second Semester

Class	Title	Minimum Credits
ECD 180	Working with Families in a Diverse Society	3
ECD 220	Development and Care of Infants and Toddlers	3
MTH 125 or	Everyday College Math	
	Any Math Level 4 or higher course	4
Elective	Any MTA Natural Science	4

Third Semester

Class	Title	Minimum Credits
ECD 200	Child Guidance and Classroom Management	3
ECD 210	Curriculum for Young Children	3
ENG 226	Composition II	3
ENG 242	Diverse Children's Literature	3
PSY 220	Human Development and Learning	4

Fourth Semester

Class	Title	Minimum Credits
ECD 230	Child Observation and Assessment	3
ECD 240	Education of the Young Child with Exceptionalities	3
ECD 280	The Developing Professional in Early Childhood Education	2
ECD 281	Practicum for the Developing ECE Professional	1
PHY 100	Physics for Elementary Teachers	4
Elective	Elective(s) to reach a minimum 60 credits*	1

Footnotes

*Additional suggested general education electives: COM 102, COM 225, MTH 148, MTH 149 or PLS 112

Accurate as of 05/19/2022 Information is subject to change without notice.

Engineering and Design Technology (CTEDT)**Description**

The Engineering Design Technology program prepares students to create and design products using engineering software and production methods used in today's growing global economy. Students will be introduced to product design processes and engineering and design technology concepts. Using various software tools, students will experiment with design concepts as a mean to developing unique products for the construction, automotive or other production industries. Hands-on experience with design-appropriate materials will round out the development process.

Continuing Eligibility

Students must earn a "C" or better in all courses.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
EGT 100	Introduction to Engineering Product Design	3
EGT 125	Advanced Engineering Design Technology	3
EGT 150	Engineering Design Technology Material Science	3
EGT 175	Engineering Design Technology Material Processing	3
	Restricted Elective: art, manufacturing, welding, woodworking or other department approved course.	4

English as a Second Language (CTESL1)**Description**

This certificate is for international students who would like to prepare for college degree study in the United States. Students experience rigorous English study in grammar, writing, listening/speaking, and reading in order to give them the best possible chances of success in future degree studies.

Admissions Requirements

This certificate is open only to international students who speak English as their second language. Students must place into Low-Intermediate to Advanced ESL courses at WCC using the English Placement Test (EPT).

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
ESL 132	Intermediate ESL Grammar*	4
ESL 161	Advanced ESL Grammar*	4
ESL 128	Low Intermediate ESL Reading and Writing*	4
ESL 134	Intermediate ESL Reading*	4
	Students with higher reading levels may substitute ESL 167 and/or ACS 107 and/or ACS 108 to replace ESL 128 and/or ESL 134	
ESL 138 or	Intermediate ESL Writing*	4
	Students with higher writing levels may substitute ESL 168	
ESL 135 or	English Listening, Pronunciation and Conversation (ESL)*	4
Elective	Elective(s) to reach 24 total credits may be required	4

Footnotes

*Students will be placed at appropriate entry-level course based on EPT or regular Accuplacer scores.

Accurate as of 05/19/2022 Information is subject to change without notice.

Entrepreneurship Essentials (CTENTE)**Description**

This certificate will prepare the student to start a business venture by examining the vital tools needed to support a small business opportunity. Students will develop business and financial plans, a business website and present (pitch) their ideas. This certificate will be a stackable credential which may also be applied to the Entrepreneurship and Innovation certificate or the Management degree with the Entrepreneurship and Innovation concentration.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BMG 101	Entrepreneurship I: Finding Your Opportunity	3
BMG 109	Entrepreneurship II: Starting Your Business	3
BMG 209	Entrepreneurship III - Running and Growing Your Business	3

Entrepreneurship and Innovation (CTENTI)**Description**

This certificate provides students with the ability to continuously learn and adapt the business knowledge, skills and attitudes needed to succeed in business, whether as an entrepreneur starting and operating a small business or as an entrepreneur within an organization. Students learn to recognize market opportunities within an industry, plan a business initiative to develop their big idea, and evaluate its profit potential. This certificate is appropriate for students who wish to be self-employed.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BMG 101	Entrepreneurship I: Finding Your Opportunity	3
BMG 109	Entrepreneurship II: Starting Your Business	3
BMG 209	Entrepreneurship III - Running and Growing Your Business	3
Elective	Select 9 credits from any WCC business or occupational certificate program.	9

Environmental Science (ASENVS)**Description**

This program is designed to prepare students to deal with environmental issues and concerns from a global point of view. Students will focus on physical and natural science as well as understanding the social science perspective. The program integrates biology, chemistry and geology and leads to an associate in science degree which should transfer to four-year institutions following the MTA guidelines. Students will have first-hand lab experiences studying environmental problems from a scientific perspective as well as proposing and implementing solutions to sustainability. The program prepares students for careers in resource management, waste management, sustainability, environmental consultation and other related fields.

Requirements**First Semester**

Class	Title	Minimum Credits
ENV 101	Environmental Science I	4
GEO 101	World Regional Geography	3
Elective	MTH 160 or any math level 4 or higher course	4
Elective	Writing Elective(s)	3-4

Second Semester

Class	Title	Minimum Credits
BIO 161	General Biology I Ecology and Evolution	4
GLG 114	Physical Geology	4
Elective	Speech/Comp. Elective(s)	3
Elective	Arts/Human. Elective(s)#	3

Third Semester

Class	Title	Minimum Credits
CEM 111	General Chemistry I**	4
ENV 105	Introduction to Environment and Society	3
Elective	Soc. Sci. Elective(s)***	3
Elective	Arts/Human. Elective(s)#	3
Elective	Choose an elective	3

Fourth Semester

Class	Title	Minimum Credits
GLG 276	Principles of Geographic Information Systems	3
ENV 174 or ENV 199 or PHL 241	ENV Co-op Education I ENV Internship Education Environmental Ethics	1-3
Elective	Restricted Elective(s): BIO 162, CEM 122, PHY 111, or MTH 169 or higher math course.	4
Elective	Electives to reach a minimum of 60 credits.	8

Footnotes

#Recommended Arts and Humanities courses: ENG 181, ENG 214, HUM 146, HUM 175 or PHL 205.

**The prerequisite for this course may include a higher math level than those used in the program. See an advisor for assistance.

***Recommended Social Science courses: ANT 201, ECO 110, ECO 211, HST 123, HST 150, HST 270, PLS 112, SOC 100, SOC 205 or SOC 207.

Accurate as of 05/19/2022 Information is subject to change without notice.

Exercise Science (ASESCI)**Description**

The Exercise Science program is designed to prepare students for employment at the entry level in health and fitness-related occupations and/or for higher education by training in the sciences that relate to physical activity, health, fitness, nutrition, wellness, and weight control. Completion of the two-year degree will prepare students for the ACSM certification exams for personal trainer and/or health/fitness instructor. The AS degree in Exercise Science from WCC is designed to prepare students for transfer to a four-year institution that offers degrees in sports medicine-exercise science, kinesiology, movement science, and physical education. Individuals that transfer to four-year institutions in these fields (and in some cases go beyond the four-year degree) can be expected to find employment in a wide variety of occupations, including (but not limited to) physician, physician's assistant, physical therapist, physical therapist assistant, research scientist, fitness manager, worksite wellness coordinator, exercise specialist, clinical exercise physiologist, coach, physical education teacher, and other exercise-related positions.

Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**First Semester**

Class	Title	Minimum Credits
BIO 162	General Biology II Cells and Molecules	4
ENG 111	Composition I	4
MTH 160	Basic Statistics	4
PSY 100	Introduction to Psychology	3

Second Semester

Class	Title	Minimum Credits
BIO 110	Introduction to Exercise Science	3
BIO 161	General Biology I Ecology and Evolution	4
CEM 111	General Chemistry I	4
ENG 226	Composition II	3
MTH 178	General Trigonometry*	3

Third Semester

Class	Title	Minimum Credits
BIO 111	Anatomy and Physiology - Normal Structure and Function	5
BIO 201	Physiology of Exercise	4
PHY 111	General Physics I	4
Elective	Arts/Human. Elective(s) 1 (Not COM)	3

Fourth Semester

Class	Title	Minimum Credits
BIO 215	Cell and Molecular Biology	4
BIO 225	Tests and Measurements in Exercise Science	3
HSC 131	CPR/AED and First Aid	1
COM 101	Soc. Sci. Elective(s) 2 (Not PSY)	3
	Fundamentals of Speaking	3

Footnotes

*Students must have an Academic Math Level of 5 to enroll in MTH 178.

Accurate as of 05/19/2022 Information is subject to change without notice.

Exercise Science/EMU Exercise Science BS (ASESCI01X1)**Description**

The Exercise Science program prepares students for transfer to a bachelor's of exercise science, an interdisciplinary program based on the medical sciences, at Eastern Michigan University. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Exercise Science BS

<https://www.wccnet.edu/articulation/asesci01x1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of seventy-nine credits at Washtenaw Community College as outlined on the Articulation Agreement.	79
	Complete a minimum of forty-five credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Fine Arts (AAFAA)**Description**

This Associate of Art in Fine Arts Degree is a transfer degree designed to be the first two years of a Bachelors of Fine Art (BFA) degree and/or a Bachelors of Art Education (BAE) degree. Students will develop fine art drawing skills, learn 2D and 3D design elements and principles, and color expression skills that are necessary to be successful in completing a BFA or BAE degree. This degree also prepares students who are seeking careers/positions as a fine artists; those artists who are seeking work with community art education programs; gallery managers; professional studio internships; art studio teaching assistants; and those who wish to work as apprentices in community theater set designs.

Requirements**First Semester**

Class	Title	Minimum Credits
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2022-23 Academic Programs

ART 111	Basic Drawing I	4
ENG 111	Composition I	4
Elective	Any math course that meets MTA	3
	Nat. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ART 112	Basic Design I	4
COM 101	Fundamentals of Speaking	3
HUM 101 or HUM 102 or	Introduction to the Humanities - Ancient to Medieval Introduction to the Humanities - Renaissance to Modern	3
HUM 103	Introduction to the Humanities - 20th Century to Present	3
	Nat. Sci. Lab Elective(s)	3

Third Semester

Class	Title	Minimum Credits
ART 102	Color	4
ART 114	Painting I	4
	Restricted Fine Art Elective: Choose ART 120, ART 121, ART 125, ART 127, ART 128, ART 129, or ART 136	4
	Soc. Sci. Elective(s) 1	3

Fourth Semester

Class	Title	Minimum Credits
ART 108	Three-Dimensional Design	4
ART 122	Basic Drawing II	4
	Arts/Human. Elective(s) 2 (Not HUM)	3
	Soc. Sci. Elective(s) 2	3
	Elective(s) to reach minimum 60 credits; students must complete 100-level or above transferrable course(s)	2
	General Education Elective(s) (0-2 credits) to reach a minimum 30 General Education Credits	2

Fine and Performing Arts (CTFPA)

Description

In this program, students are given the opportunity to develop and refine the skills used in their craft. The student's career plans are enriched through the opportunity to develop a plan for self-management. Together, these two areas will help students determine their short-and-long term career goals.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
ART 130 or MUS 180	Art Appreciation	3
ART 285 or MUS 285	Music Appreciation: Our World Self-Management for Working Artists	3
	Self Management for Working Artists Choose nine credits from a single discipline in either ART, DAN*, DRA or MUS*	9

Footnotes

*Credit for courses that can be repeated for credit will be counted only two times toward the minimum of nine credits, regardless of the number of times the course can be repeated.

Accurate as of 05/19/2022 Information is subject to change without notice.

Foundations of Information Systems (CTFIS)

Description

The Foundations of Information Systems certificate provides a conceptual framework for those students wishing to become a professional in computer information systems or computer programming. The student will be introduced to computer science programming logic, as well as developing algorithms to solve programming problems. In addition, students will acquire an understanding of the impact of information systems and information technology on the business, industrial, and other environments in which they will work as programmers or analysts.

Continuing Eligibility

Students must maintain a minimum GPA of 2.0 or better.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
CIS 110	Introduction to Computer Information Systems	3
CIS 120	Linux/UNIX I: Fundamentals	3
CPS 120	Introduction to Computer Science	3

General Studies (AGGSD)**Description**

This degree is designed for students who wish to earn an associate degree by creating a personalized program. It offers two pathways for completion: a pathway to four-year transfer or a pathway to employment in their chosen career. Students will design this 60 credit, multi-disciplinary program in conjunction with an academic advisor and can include coursework from all areas of the college; occupational and academic.

Requirements**First Semester**

Class	Title	Minimum Credits
Elective	Writing Elective(s)	3-4
Elective	Math Elective(s)	3
	Concentration 1	3
	Concentration 2	3
Elective	Elective(s)	3

Second Semester

Class	Title	Minimum Credits
Elective	Speech/Comp. Elective(s)	3
Elective	Arts/Human. Elective(s)	3
	Concentration 3	3
Elective	Elective(s)	3
Elective	Elective(s)	3

Third Semester

Class	Title	Minimum Credits
Elective	Nat. Sci. Elective(s)	3-4
	Concentration 4	3
	Concentration 5	3
Elective	Elective(s)	3
Elective	Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
Elective	Soc. Sci. Elective(s)	3
	Concentration 6	3
Elective	Elective(s)	3
Elective	Elective(s)	3
Elective	Electives to reach a minimum of 60 credits	3

First Semester

Class	Title	Minimum Credits
Elective	Writing Elective(s)	3-4
Elective	Math Elective(s)	3
	Concentration 1	3
	Concentration 2	3
Elective	Elective(s)	3

Second Semester

Class	Title	Minimum Credits
Elective	Speech/Comp. Elective(s)	3
Elective	Nat. Sci. Elective(s)	3
Elective	Arts/Human. Elective(s)	3
	Concentration 3	3
Elective	Elective(s)	3

Third Semester

Class	Title	Minimum Credits
Elective	Nat. Sci. Lab Elective(s)	3-4
Elective	Soc. Sci. Elective(s) 1	3
	Concentration 4	3
	Concentration 5	3
Elective	Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
Elective	Soc. Sci. Elective(s) 2	3
Elective	Arts/Human. Elective(s) 2	3
	Concentration 6	3
Elective	General Education electives to reach a minimum of 30 credit hours as needed	3
Elective	Electives to reach a minimum of 60 credits (0-3 credits)	3

General Studies in Math & Nat. Science Non-Occup/EMU Technology Management BS (ASGSMS01Z2)**Description**

The Technology Management degree program at Eastern Michigan University is designed for transfer students to earn a Bachelor of Science degree in Technology Management. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/asgms01z2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

General Studies in Math and Natural Sciences (ASGSMS)**Description**

This program allows students to design a program of study to meet their individual needs. This may be a good option if students are undecided about a major and want to explore a variety of discipline areas with a concentration in math and natural sciences. The program also allows students to customize their coursework to the requirements of the senior college or university to which they are transferring. Students should begin by meeting with a counselor who will assist them in developing a program of study that meets all of the College's graduation requirements. A counselor can also help students determine their interests and career and educational goals as well as provide transfer and career information.

Math/Science Concentration

Complete a concentration in math or science 15 credit hours from no more than two disciplines chosen from Biology, Chemistry, Environmental Science, Geology, Math or Physics (A minimum of 6 credits at the 200 level is strongly recommended). Students transferring to EMU should select from the following WCC courses: BIO 161, BIO 162, BIO 208, BIO 215, BIO 227; CEM 105, CEM 111, CEM 122, CEM 140, CEM 211, CEM 222; ENV 101, ENV 105; GLG 100, GLG 103, GLG 104, GLG 114, GLG 276; MTH 191, MTH 192, MTH 197, MTH 293, MTH 295; PHY 111, PHY 122, PHY 211, PHY 222. Please see an advisor to select courses that will meet the requirements of the college to which you are transferring.

Concentration 2

Complete a second concentration. Select 9 credits from no more than two disciplines listed below (A minimum of 3 credits at the 200 level is strongly recommended). Select from Anthropology, Arabic, Art, Astronomy, Biology, Chemistry, Chinese, Communication, Computer Information Systems, Computer Networking Technology, Computer Science, Computer Systems Security, Computer Systems Technology, Criminal Justice, Dance, Drama, Economics, English, Environmental Science, French, Geography, Geology, German, Health Science, History, Humanities, Math, Music, Philosophy, Physics, Political Science, Psychology, Sociology or Spanish.

Articulation

Eastern Michigan University, Technology Management BS

Requirements**First Semester**

Class	Title	Minimum Credits
ENG 111	Composition I	4
	Concentration 2: select a course	3
	Math/Science concentration: select a course	3
	Soc. Sci. Elective(s) 1	3
	Nat. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
	Speech/Comp. Elective(s)	3
	MTH 191 or higher	4
	Arts/Human. Elective(s) 1	3
	Math/Science concentration: select a course	3

Third Semester

Class	Title	Minimum Credits
	Elective(s) to reach a minimum 60 credits	3
	Concentration 2: select a course	3
	Math/Science concentration: select a course	3
	Math/Science concentration: select a course	3
	Nat. Sci. Lab Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
	Arts/Human. Elective(s) 2	3
	Concentration 2: select a course	3
	Math/Science concentration: select a course	3
	Soc. Sci. Elective(s) 2	3
	General Education Elective(s) (0-1 credits) to reach a minimum 30 General Education Credits	1
	Elective(s) to reach a minimum 60 credits	3

Footnotes

Courses used to meet General Education Requirements cannot be counted toward the minimum credits for the concentrations.

Accurate as of 05/19/2022 Information is subject to change without notice.

Global Studies (AAGS)**Description**

Associate of Arts Liberal Arts Transfer in Global Studies will aid students in the development of an open, inclusive, international perspective through the study of human cultures, history, and language. This degree will provide students with the basic international and intercultural understanding that is applicable in the university and in the workplace, as well as prepare them for entry into a degree program at a four-year academic institution.

Requirements**First Semester**

Class	Title	Minimum Credits
ART 150	Monuments and Cultures	3
ENG 111	Composition I	4
	Foreign Language*	5
	Math Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ENG 226	Composition II	3
GEO 101	World Regional Geography	3
	Foreign Language*	5
	Nat. Sci. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
COM 225	Arts/Human. Elective(s) 1	3
	Intercultural Communication	3
	Nat. Sci. Lab Elective(s)	3

Global Studies Elective(s)**	4
Soc. Sci. Elective(s) 1	3

Fourth Semester

Class	Title	Minimum Credits
ANT 201	Introduction to Cultural Anthropology	3
	Arts/Human. Elective(s) 2	3
	Global Studies Elective(s)**	3
	Global Studies Elective(s)**	3
	Soc. Sci. Elective(s) 2	3

Footnotes

*First Year Language I and II meet the requirements, excludes conversational courses.

**Go to <https://www.wccnet.edu/webfiles/foreign-language/global-studies-course-options.pdf>

Accurate as of 05/19/2022 Information is subject to change without notice.

Graphic Design (CFGDTC)**Description**

This program provides students with entry-level skills in graphic design and allows students to upgrade or expand their present skills. It also is a path for upgrading or expanding skills in one's present employment. Students will focus on typography and the foundations of visual communication design for both print and on-screen media, and build skills in the most widely used graphic design software applications. This program provides credits towards the Associate in Applied Science Degree in Graphic Design.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Good computer skills and aptitude are required to enroll in GDT computer-based courses. GDT courses are taught using Macintosh computers.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
GDT 100	Typography I	4
GDT 104	Introduction to Graphic Design	4
GDT 112	Principles and Problem-Solving in Graphic Design	4
GDT 220	Publication Design	4
WEB 115	Interface Design I	4
WEB 215	Interface Design II	4
	Restricted Electives: ART 101, ART 102, ART 111, ART 112, ART 114, ART 120, ART 122, ART 125, ART 127, ART 129, GDT 106, GDT 108, GDT 239, or any 100 level or higher ANI, PHO, VID or WEB course.	3

Graphic Design (APGRD)**Description**

This program prepares students for a career as a graphic designer. Graphic designers are specialists in the field of visual communication, trained to communicate, inform, instruct or sell. Students gain skills in the principles of graphic design, publication design, interface and mobile design working on a variety of projects that focus on theory, concept development, typography and production techniques that culminates in the production of a portfolio. Creative and artistic ability is required for careers in graphic design, as well as originality and the capacity for experimentation in visual problem-solving. Students also need the ability to master software skills as they relate to each medium.

Articulation

College for Creative Studies, BFA degree;
Eastern Michigan University, BFA degree;
Wayne State University, BFA degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Basic proficiency with desktop computers is required to enroll in GDT computer-based courses.

Note: Graphic Design computer-based courses are taught on Macintosh computers.

Requirements**First Fall Semester**

Class	Title	Minimum Credits
ENG 111	Composition I	4
GDT 101	History of Graphic Design	3
GDT 104	Introduction to Graphic Design	4
WEB 115	Interface Design I	4
	Soc. Sci. Elective(s)	3

First Winter Semester

Class	Title	Minimum Credits
GDT 100	Typography I	4
GDT 112	Principles and Problem-Solving in Graphic Design	4
	Math Elective(s)	3
	Restricted Electives: ART 101, ART 102, ART 111, ART 112, ART 114, ART 120, ART 122, ART 125, ART 127, ART 129, GDT 106, GDT 108, or any 100 level or higher ANI, PHO, VID or WEB course.	3

Second Fall Semester

Class	Title	Minimum Credits
GDT 215	Typography II	4
GDT 220	Publication Design	4
GDT 239	Imaging and Illustration	4
WEB 215	Interface Design II	4

Second Winter Semester

Class	Title	Minimum Credits
GDT 252	Advanced Digital Studio	4
GDT 290	Professional Practices	4
	Nat. Sci. Elective(s)	3
COM 101	Fundamentals of Speaking	3
	Restricted Electives: ART 101, ART 102, ART 111, ART 112, ART 114, ART 120, ART 122, ART 125, ART 127, ART 129, GDT 106, GDT 108, or any 100 level or higher ANI, PHO, VID or WEB course.	3

Graphic Design/EMU Bachelor of Fine Arts-Graphic Design Conc BFA (APGRD01G1)**Description**

This program prepares students for transfer to a bachelor's of fine arts with graphic design concentration degree program at Eastern Michigan University where they will further improve their skills in graphic and publication design. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, BFA with Graphic Design Concentration

<https://www.wccnet.edu/articulation/apgrd01g1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-five credits at Washtenaw Community College as outlined on the Articulation Agreement.	85
	Complete a minimum of thirty-nine credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Graphic Design/EMU Communication Technology (Graphic Applications) BS (APGRD01G3)**Description**

This program prepares students for transfer to a bachelor of science degree program in Communication Technology (Graphic Applications) at Eastern Michigan University where they will further improve their skills in graphic design. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, BS in Communication Technology with Graphic Applications Option

<https://www.wccnet.edu/articulation/apgrd01g3>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	86
	Complete a minimum of thirty-eight credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

HR Essentials (CTHRE)**Description**

Interested in a career in HR? Interested in some quick credentials to serve you on the job? In this accelerated certificate program, students will learn basic human resources principles that promote organizational success and obtain a valuable résumé credential in as little as one semester.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BMG 230	Principles of Management	3
BMG 240	Human Resources Management	3
BMG 279	Organizational Management	3

HR Skills and Operations (CTHRSO)**Description**

This program prepares students for entry-level jobs as a human resource assistant or specialist where they will be assisting in activities that range from recruiting, interviewing and hiring job candidates to evaluating jobs, negotiating contracts, and ensuring company compliance with equal opportunity regulations. This program also provides students with basic management skills that will improve their ability to manage people.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BMG 111	Business Law I	3
BMG 205	Creating the Customer Experience	3
BMG 207	Business Communication	3
BMG 230	Principles of Management	3
BMG 240	Human Resources Management	3
BMG 279	Organizational Management	3

Health Administration (ASHA)**Description**

The Health Administration program provides students with the skills necessary for the entry-level employment in healthcare management. Students in this industry lead and oversee the operation of complex health care entities including hospitals, outpatient facilities, health care systems, pharmacies, long-term care facilities, mental health centers, fitness centers, insurance companies, schools and public health systems. Upon completion of this associate degree, the student should be able to: understand medical terminology, apply health care knowledge in economic analysis, accounting, and effectively communicate with team members.

Requirements**First Semester**

Class	Title	Minimum Credits
BIO 109 or BIO 111	Essentials of Human Anatomy and Physiology Anatomy and Physiology - Normal Structure and Function	4-5
MTH 160 or Elective	Basic Statistics	3-4
Elective	Any math level 4 or higher course	3-4
Elective	Writing Elective(s)	3
Elective	Soc. Sci. Elective (not ECO)	3

Second Semester

Class	Title	Minimum Credits
ECO 211	Principles of Economics I	3
PHL 244	Ethical and Legal Issues in Health Care	3
Elective	Speech/Comp. Elective(s)	3
Elective	Natural Science (not BIO)	3-4
Elective	Restricted Elective(s)*	2

Third Semester

Class	Title	Minimum Credits
ACC 111	Principles of Accounting I	3
ECO 222	Principles of Economics II	3
HSC 100 or HSC 103 or HSC 165 or RAD 100	Basic Nursing Assistant Skills Healthcare Exploration Foundations of Caregiving Introduction to Diagnostic Imaging	1-4
HSC 147 or PSY 206	Growth and Development Life Span Developmental Psychology	3-4
HSC 124	Medical Terminology	3
HSC 131	CPR/AED and First Aid	1

Fourth Semester

Class	Title	Minimum Credits
HSC 256	Health Clinical Experience**	2
HSC 257	Evidence-Based Practice in Action	3
Elective	Arts/Human. Elective(s)	3
Elective	Restrictive Elective(s) needed to reach a minimum of 60 credits (3-11 credits)*	11

Footnotes

*Restricted Electives - Students will be referred to an advisor and advisors will be provided with a list of programs/courses such as HLT Certificates and Associate Degrees, Computer Software Applications courses or Human Resource Management courses.

**Clinical Experience - Students who have experience working in a clinical healthcare setting may request credit through a portfolio evaluation. Please contact advisors for additional information.

Accurate as of 05/19/2022 Information is subject to change without notice.

Health Care Foundations (CTHCF)**Description**

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. The certificate fulfills major pre-admission requirements for Nursing, Physical Therapist Assistant, Radiography, Surgical Technology and general education requirements for an Associate in Applied Science degree. It provides students applying for a "high demand" healthcare associate's degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter healthcare programs are encouraged to contact a counselor and enroll in the Healthcare Exploration course.

Health Program Preparation (ASHPP)**Description**

This program is designed for students who plan to pursue a health-related degree program at WCC or Bachelor of Science in Nursing (traditional or accelerated) or other health-related program at another college or four-year institution. The student will complete the common healthcare program prerequisites as outlined in the catalogs for local Michigan colleges.

Articulation

Eastern Michigan University, BS degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Continuing Eligibility

Minimum cumulative GPA of 2.8 or minimum GPA for intended health program

Requirements

First Semester

Class	Title	Minimum Credits
Elective	Soc. Sci. Elective(s) 1	3
ENG 111	Composition I	4
Elective	Math Elective(s)	3
Elective	Nat. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
Elective	Nat. Sci. Lab Elective(s) 2	3
Elective	Soc. Sci. Elective(s) 2	3
Elective	Speech/Comp. Elective(s) 2	3
	Area Studies Elective(s)*	6

Third Semester

Class	Title	Minimum Credits
Elective	Arts/Human. Elective(s) 1	3
HSC 101	Healthcare Terminology	1
	Area Studies Elective*	3
	Area Studies Elective*	3
	Elective(s) to reach a minimum of 60 credits**	5

Fourth Semester

Class	Title	Minimum Credits
Elective	Arts/Human. Elective(s) 2	3
Elective	General Education Elective(s) (0-2 credits) to reach a minimum 30 General Education Credits	2
Elective	Area Studies Elective*	3
Elective	Area Studies Elective*	3
Elective	Area Studies Elective(s)*	6

Footnotes

*Select courses as designated for your intended program and school of choice.

**Students may use one of the following: HSC 100, HSC 103, or RAD 100.

Accurate as of 05/19/2022 Information is subject to change without notice.

Heating, Ventilation, AC & Refrig/WSU Elect, Electromec or Mech Eng Tech BS (APHVCR11W2)

Description

This program is designed for students who are interested in earning a Bachelor of Science degree in Engineering Technology at Wayne State University. Students may choose from one of three engineering technology degrees at WSU: Mechanical, Electrical/Electronic or Electromechanical. Engineering technologists (ET) create the objects we depend on, from smartphones to suspension bridges and everything in between. They can apply their abilities in using technical equipment, selling technical products, supervising construction projects and manufacturing processes, and more. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, BS degree

For the entire list of articulation agreements: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	76

Complete a minimum of forty-eight credits at Wayne State University as outlined on the Articulation Agreement. 0

Heating, Ventilation, Air Condition & Refrig/EMU Technology Management BS (APHVCR01S3)

Description

The Technology Management degree program at Eastern Michigan University is designed for transfer students with an associate of applied science degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/aphvcr01s3>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Heating, Ventilation, Air Conditioning and Refrigeration (APHVCR)

Description

This program is a capstone to the Heating, Ventilation, Air Conditioning and Refrigeration - Commercial Trade Advanced Certificate. It provides a rigorous heating, ventilation, air-conditioning and refrigeration (HVACR) background with solid preparation for entry-level management positions or transfer to four-year programs offering bachelor degrees in HVACR, technology management, and other technically oriented fields. This program also provides opportunities to obtain advanced certifications which are recognized throughout the heating, ventilation and air-conditioning industry.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

First Semester

Class	Title	Minimum Credits
HVA 101	Heating, Ventilation and Air Conditioning I	4
HVA 102	HVAC Sheet Metal Fabrication	4
HVA 103	Heating, Ventilation and Air Conditioning II	4
	Math Elective(s)	3

Second Semester

Class	Title	Minimum Credits
HVA 105	Residential and Light Commercial Heating Systems	4
HVA 107	Residential and Light Commercial Air Conditioning Systems	4
HVA 202	Air System Layout and Design	3
WAF 104	Soldering and Brazing	2

Third Semester

Class	Title	Minimum Credits
HVA 108	Residential HVAC Competency Exams and Codes	3
	Writing Elective(s)	3
	Arts/Human. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
HVA 201	Energy Audits	4
HVA 203	Refrigeration Systems	3
HVA 205	Hydronic Systems	4
	Nat. Sci. Elective(s)	3

Fifth Semester

Class	Title	Minimum Credits
HVA 207	Commercial Industry Standards with Competency Exams	3
	Soc. Sci. Elective(s)	3
	Speech/Comp. Elective(s) 2	3

Heating, Ventilation, Air Conditioning and Refrigeration - Commercial Trade (CVHVCT)**Description**

This program is a capstone to HVAC-Residential Certification, and is designed for students who wish to develop skills in HVACR mechanics or installation. It prepares the student for industry-recognized certification (C/IS) for entry-level employment in commercial heating, ventilation and air conditioning. Additional theory and hands-on experience will increase students' knowledge base concerning HVACR systems at the commercial level. The student will develop knowledge and skills in sizing, layout, installation, maintenance, and troubleshooting HVACR equipment.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Admissions Requirements

Students must complete the Heating, Ventilation, Air Conditioning, and Refrigeration Residential Certificate (CTHVRR).

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
HVA 203	Refrigeration Systems	3
HVA 205	Hydronic Systems	4
HVA 207	Commercial Industry Standards with Competency Exams	3

Core Courses

Class	Title	Minimum Credits
HVA 201	Energy Audits	4
HVA 202	Air System Layout and Design	3

Heating, Ventilation, Air Conditioning, and Refrigeration - Residential (CTHVRR)**Description**

This program prepares students for entry-level jobs in HVAC contracting companies, HVAC servicing companies, hospitals, schools and other public institutions, and apprenticeships in large manufacturing plants and supply houses. In these commercial, residential, or institutional settings students combine their diagnostic and repair skills with customer relations skills to service heating, ventilation, and air conditioning equipment. This program also helps prepare students for the third class refrigeration licensure examination.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
HVA 101	Heating, Ventilation and Air Conditioning I	4
HVA 102	HVAC Sheet Metal Fabrication	4

HVA 103	Heating, Ventilation and Air Conditioning II	4
HVA 105	Residential and Light Commercial Heating Systems	4
HVA 107	Residential and Light Commercial Air Conditioning Systems	4
HVA 108	Residential HVAC Competency Exams and Codes	3
WAF 104	Soldering and Brazing	2

Human Services (AAHUST)

Description

This program prepares students for a job as a substance abuse, hospice, case, psychiatric, or social services aide in settings such as schools, rehabilitation centers, and mental health clinics or as a staff member in a community/neighborhood center. The program provides skills students will need to work on a one-to-one basis or in groups to help people cope with problems. The program also prepares students to transfer to a bachelor's degree program where they will continue developing skills for a career in the field of social work. The program transfers to Eastern Michigan University and Madonna University.

Articulation

Eastern Michigan University, BSW degree*;
Madonna University, BSW degree.

*Students should meet with an EMU Department of Social Work advisor before applying for admission to EMU's program.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Continuing Eligibility

Faculty will review students' eligibility for the program on an ongoing basis.

1. Students must maintain satisfactory academic class performance, as evidenced by a minimum cumulative GPA of 2.0.
2. Students must earn a "C" or better in all HSW courses.
3. To enroll in the Human Services field internships, students must have completed prerequisite courses with a "C" or better.
4. Students must maintain at least an 80% rate of attendance in class and in an internship placement.
5. Students must honor any agreement entered into with an agency serving as an internship site.
6. Students must maintain ethical behavior as defined in the National Organization for Human Service Education's "Ethical Standards of Human Services Professionals."
7. Students should be aware that internship sites might conduct background checks on applicants to determine if they have been convicted of a crime or are addicted to drugs or alcohol.

Requirements

First Semester

Class	Title	Minimum Credits
ENG 111	Composition I	4
HSW 100	Introduction to Human Services	3
SOC 100	Principles of Sociology	3
	Any science course with a lab.#	4

Second Semester

Class	Title	Minimum Credits
HSW 200	Interviewing and Assessment	3
PSY 100	Introduction to Psychology	3
SOC 205	Race and Ethnic Relations	3
SOC 220	Group Dynamics and Counseling	3
	Restricted Math Elective(s)*	4

Third Semester

Class	Title	Minimum Credits
HSW 229	Human Services Success Skills	1
PSY 206	Life Span Developmental Psychology	4
PSY 210	Behavior Modification	3
PSY 257	Abnormal Psychology	3
SOC 225	Family Social Work	3
	Arts/Human. Elective(s)**	3

Fourth Semester

Class	Title	Minimum Credits
	Arts/Human. Elective(s)***	3
	Nat. Sci. Elective(s) 2	3
COM 101 or	Fundamentals of Speaking	3
COM 102	Interpersonal Communication	3
HSW 230	Field Internship and Seminar I	3
	Elective(s) to reach a minimum 60 credits	1

Footnotes

#Consult with a program advisor if transferring to any institution other than EMU.

*Select one of the following courses: MTH 125, MTH 160, MTH 176, or MTH 191. Transfer students should check with their selected school to confirm the math and/or credit requirements.

**Select one of the following courses: ART 143, ART 150, DAN 180, DRA 180, ENG 181, ENG 213, ENG 214, ENG 242, FLM 150, HUM 175, MUS 180.

***Select another course in a different discipline from the Humanities section of the MTA list.

If transferring to Madonna University, follow the curricular guide for that university. See a program advisor for details.

Accurate as of 05/19/2022 Information is subject to change without notice.

Human Services/EMU Bachelor of Social Work BSW (AAHUST01H1)

Description

This program prepares students for a job as a substance abuse, hospice, case, psychiatric, or social services aide in settings such as schools, rehabilitation centers, and mental health clinics or as a staff member in a community/neighborhood center. The program provides skills students will need to work on a one-to-one basis or in groups to help people cope with problems. The program also prepares students to transfer to a bachelor's degree program where they will continue developing skills for a career in the field of social work at Eastern Michigan University. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Social Work BSW

<https://www.wccnet.edu/articulation/aahust01h1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-three credits at Washtenaw Community College as outlined on the Articulation Agreement.	73
		0

Industrial Electronics Technology (CFIET)

Description

This program prepares students for entry-level jobs in any of the industrial electricity/electronics cluster of occupations. Students will develop skills in the installation, maintenance, and troubleshooting of industrial control systems with a focus on programmable logic controllers, electronic sensors, and electronic control circuits.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Students must have an Academic Math Level of 3 to enroll in ELE 111. One year of high school algebra with a grade of "C" or better is recommended.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
ELE 111	Electrical Fundamentals	4
ELE 211	Basic Electronics	4
ELE 224	Programmable Controllers (PLCs) I	4
ELE 254	Programmable Controllers (PLCs) II	4

Industrial Electronics Technology II (CVIET2)

Description

This program builds on the foundation of electricity and electronic control introduced in the Industrial Electronics Technology (CFIET) certificate, providing advanced instruction in the areas of industrial automation and electrical standards. Students will learn to apply, control and troubleshoot electric motors, relate their understanding of electricity and controls to the requirements of the National Electrical Code, and pursue other learning critical to industrial automation such as fluid power motion control and digital networks.

Articulation

Eastern Michigan University, BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Successful completion of the Industrial Electronics Technology certificate, appropriate prerequisite courses, or equivalent experience.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
ELE 134	Motors and Controls	4
ELE 204	National Electrical Code	4
	Select a minimum of 8 credit hours of restricted electives including CST 185, FLP 225 and/or another ELE or FLP course.*	8

Footnotes

*Students may select alternative electives with the permission of department faculty.

Accurate as of 05/19/2022 Information is subject to change without notice.

Industrial Training (APITRN)

Description

This program gives indentured journeymen of the United Association or Ironworkers, the opportunity to apply their work as certified apprentice instructors toward an associate in applied science degree in Industrial Training. Students will complete the general education courses, five summer instructor training sessions, and receive prior learning credits for experience in an area of specialization such as plumbing, pipefitting, HVAC, sprinkler fitting and ironworking.

Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Open only to United Association and Ironworker instructors.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
		12
	Complete electives (0-10 credits) to meet a minimum 60 credits.	10

General Education Requirements

Class	Title	Minimum Credits
Writing	Elective(s)	4
UAT 210	Public Speaking*	1.5
UAT 213	Planning, Teaching and Assessing Effective Lessons - Advanced*	1.5
Math	Elective(s)**	3
Nat. Sci.	Elective(s)**	3
Soc. Sci.	Elective(s)	3

Arts/Human.	Elective(s)	3
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Industrial Training (ASINDT)

Description

This program gives indentured journeymen of the United Association or Ironworkers, the opportunity to apply their work as certified apprentice instructors toward an associate in science degree in Industrial Training. Students will complete the general education courses, five summer instructor training sessions, and receive prior learning credits for experience in an area of specialization such as plumbing, pipefitting, HVAC, sprinkler fitting and ironworking.

Articulation

Eastern Michigan University, several BS degrees;
Ferris State University, Bachelor degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Open only to United Association and Ironworker instructors.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
	UA students must complete a minimum 12 additional credits from a combination of required teaching methods courses and technical update courses (UAT courses).	12
	Ironworker students must complete 15 credits from a combination of required teaching methods courses and technical update courses (IWT courses).	

General Education Requirements

Class	Title	Minimum Credits
Writing	Elective(s)	6
UAT 210	Public Speaking*	1.5
UAT 213	Planning, Teaching and Assessing Effective Lessons - Advanced*	1.5
Math	Elective(s)	3
Nat. Sci.	Elective(s)	3
	Nat. Sci. Lab Elective(s)	3
Soc. Sci.	Elective(s)	6
Arts/Human.	Elective(s)	6
	General Education Elective(s) (0-2 credits) to reach a minimum 30 General Education Credits	2

Information Systems: Program in C++/EMU Computer Information Systems BBA (ASISPC0111)

Description

This program prepares students to transfer to Eastern Michigan University to complete a BBA degree in Computer Information Systems. Undergraduates and graduates of CIS programs are prepared to create and maintain information systems for organizations, manage information systems projects, and develop strategies for effective use of enterprise information resources. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Computer Information Systems BBA

<https://www.wccnet.edu/articulation/asispc0111>

For the entire list of articulation agreements:
<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Requirements

Class	Title	Minimum Credits
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Complete a maximum of eighty-two credits at Washtenaw Community College as outlined on the Articulation Agreement.	82
Complete a minimum of forty-two credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Information Systems: Programming in C++ (ASISPC)

Description

This program prepares students to transfer to complete a bachelor's degree in Business Administration with a major in Computer Information Systems. Undergraduates and graduates of CIS programs are prepared to create and maintain information systems for organizations, manage information systems projects, and develop strategies for effective use of enterprise information resources.

Articulation

Eastern Michigan University, BBA degree and several BS degrees;
Madonna University BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Students need an Academic Math Level of 4 to enroll in MTH 176.

Requirements

First Semester

Class	Title	Minimum Credits
ENG 111	Nat. Sci. Elective(s) Composition I	3 4
CPS 171	Speech/Comp. Elective(s) 2 Introduction to Programming with C++	3 4

Second Semester

Class	Title	Minimum Credits
CIS 120	Linux/UNIX I: Fundamentals	3
CPS 271	Object Features of C++ MTH 176 or higher 4 credit math course	4 4
	Arts/Human. Elective(s) 1	3
	Soc. Sci. Elective(s) 1	3

Third Semester

Class	Title	Minimum Credits
CPS 272	Data Structures with C++	4
CPS 276	Web Programming Using PHP and MySQL	4
	Soc. Sci. Elective(s) 2	3
	Nat. Sci. Lab Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
CPS 298	Professional Team Programming	4
	Arts/Human. Elective(s) 2	3
	Students must complete 100-level or above transferrable course(s) to reach a minimum of 60 credits. Possible CIS/CPS electives include: CIS 282, CPS 161, CPS 251, CPS 261, CPS 278	7
	General Education Elective(s) (0-1 credits) to reach a minimum 30 General Education Credits	1

Footnotes

See an advisor to choose courses that meet the requirements of the program to which you are transferring.

This course sequencing aligns with students starting in the Fall semester. Students starting the Winter semester should switch the order in which they take CPS 272 and CPS 276.

Accurate as of 05/19/2022 Information is subject to change without notice.

Interface Designer (CTWBID)**Description**

This program is designed for students interested in gaining the skills necessary to design industry standard digital interfaces. Students will learn Web design skills such as appropriate use of Web fonts, colors on the Web, Web layout and digital marketing collateral.

Articulation

Eastern Michigan University, several BS degrees.

Admissions Requirements

College-level reading and writing

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
WEB 115	Interface Design I	4
WEB 215	Interface Design II	4
Elective	Any WEB, CIS or CPS course	3-4

Introduction to Elementary Education (CTELED)**Description**

This program prepares students to transfer into an elementary education program at a four-year college or university. The first year of instruction in a bachelor's degree program in elementary education is covered. The program includes the general education courses used for many elementary education programs in Michigan that prepare students for the state-mandated basic skills tests. Requirements may vary among colleges so students should contact an advisor to discuss how the curriculum will transfer to your intended 4-year college.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
COM 101	Fundamentals of Speaking	3
ENG 111	Composition I	4
ENG 240	Children's Literature	3
GEO 101	World Regional Geography	3
MTH 148	Functional Math for Elementary Teachers I	4
MTH 149	Functional Math for Elementary Teachers II	4
PHY 100	Physics for Elementary Teachers	4
PSY 220	Human Development and Learning	4
PSY 251	Education of Exceptional Children	3
Elective	Restricted Arts/Human. Elective*	3

Footnotes

*Restricted Arts/Human. Elective (select one): ENG 140, ENG 160, ENG 170, ENG 181, ENG 200, FRN 111, FRN 122, GRM 111, GRM 122, HUM 101, HUM 102, HUM 103, HUM 145, HUM 146, PHL 101, PHL 200, PHL 205, PHL 241, PHL 244, SPN 111, SPN 122

Accurate as of 05/19/2022 Information is subject to change without notice.

Ironworkers Pre-Apprenticeship (CTPAIW)**Description**

In this certificate program, students will be introduced to the necessary skills needed to be a Union Ironworker across the United States and Canada. Training includes print reading, safety and welding processes used by the Union Ironworker trades. Students who successfully complete the program will be eligible for advanced standing in the Ironworker Local Union Apprenticeship Training Program.

Continuing Eligibility

All courses must be completed with a C or better.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
WAF 110	Ironworker Pre-Apprenticeship Orientation and Safety	2
WAF 114	Ironworker Pre-Apprenticeship Introduction to Welding	3

WAF 116	Ironworker Pre-Apprenticeship Shielded Metal Arc Welding	4
WAF 117	Ironworker Pre-Apprenticeship Flux Cored Arc Welding	4
WAF 119	Ironworker Pre-Apprenticeship Rigging and Cranes	2
WAF 120	Ironworker Pre-Apprenticeship Print Reading and Contextualized Math	2

Journalism (AAJOUR)

Description

This program prepares students to transfer to a four-year institution and major in journalism. Four specialty courses provide a solid background in journalism-related content. Students in the program will gain invaluable experience in areas of a career in journalism.

Articulation

Madonna University, BA degree;
Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

First Semester

Class	Title	Minimum Credits
COM 130	Introduction to Mass Communication	3
ENG 111	Composition I	4
JRN 111	Introduction to Journalism	3
Elective	Math Elective(s)	3
Elective	Nat. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
COM 101 or ENG 226	Fundamentals of Speaking Composition II	3
JRN 210	Introduction to Copy Editing*	3
Elective	Nat. Sci. Lab Elective(s)	3
	Elective(s) Any 100-level or above course to reach a minimum 60 credits	4

Third Semester

Class	Title	Minimum Credits
JRN 217	Introduction to Feature Writing*	3
Elective	Arts/Human. Elective(s) 1	3
	Elective(s) Any 100-level or above course to reach a minimum 60 credits	3
Elective	Soc. Sci. Elective(s) 1	3
	Restricted Elective(s) 1 ENG 107 or Any 100-level or above course from COM, GDT, PHO, PLS, VID or WEB	3

Fourth Semester

Class	Title	Minimum Credits
JRN 220	Introduction to Digital Journalism*	3
Elective	Arts/Human. Elective(s) 2	3
Elective	Soc. Sci. Elective(s) 2	3
	Restricted Elective(s) 2 ENG 107 or Any 100-level or above course from COM, GDT, PHO, PLS, VID or WEB	3
	Elective(s) Any 100-level or above course to reach a minimum 60 credits	4

Footnotes

*JRN 217 is offered in Fall only; JRN 210 and JRN 220 are offered in Winter only.

Accurate as of 05/19/2022 Information is subject to change without notice.

Journalism Non-Occupational/EMU Journalism BS (AAJOUR01Z3)**Description**

This program prepares students for transfer to a bachelor of science degree program at Eastern Michigan University, where they will further improve their skills in researching, reporting, writing and copy editing. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Journalism BS

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-three credits at Washtenaw Community College as outlined on the Articulation Agreement.	83
	Complete a minimum of forty-one credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Journalism Non-Occupational/EMU Media Studies and Journalism BS (AAJOUR01Z4)**Description**

This program prepares students for transfer to a bachelor of science degree program at Eastern Michigan University. They will learn how to create effective media messages, the skills needed for insightful and meaningful reporting, the historical and social significance of both media and journalism systems, and online platforms for distributing their content. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Media Studies and Journalism BS

For the entire list of agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-three credits at Washtenaw Community College as outlined on the Articulation Agreement.	83
	Complete a maximum of forty-one credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Journeyman Industrial (APJPIM)**Description**

Some employers require or prefer employees to have an associate degree as a condition for employment or for advancement. Students can earn an Associate in Applied Science Degree in Journeyman Industrial by completing the requirements listed.

Articulation

Eastern Michigan University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
	Complete the Apprenticeship Completion Certificate (CTAC), or journeyman-approved coursework in a technical or trade-related area	24-36
Elective	Complete a computer course as approved by your advisor	3

Elective Take additional credits as needed if total program credits are below 60. 15

General Education Requirements

Class	Title	Minimum Credits
Writing	Elective(s)	3
Math	Elective(s)*	3
	Speech/Comp. Elective(s) 2**	3
Nat. Sci.	Elective(s)***	3
Soc. Sci.	Elective(s)	3
Arts/Human.	Elective(s)	3

Footnotes

*UA students may use APP 113 Math for Pipe Trades (3 credits).

**UA students may use UAT 210 Public Speaking (1.5 credits) and UAT 213 Planning, Teaching and Assessing Effective Lessons - Advanced (1.5 credits).

***UA students may use SCI 102 Applied Science (3 credits).

Accurate as of 05/19/2022 Information is subject to change without notice.

Liberal Arts Transfer (AALAT)

Description

This program allows students to design a program of study to meet individual needs, and is a good option for students who are undecided about a major, or simply want to explore various areas in the arts and social sciences. This program allows for customization of coursework to meet the requirements of the transfer college or university. A counselor will assist in developing a program of study that meets all of the College's graduation requirements. A counselor can also help students determine interests, career and educational goals, as well as provide transfer and career information.

Major Concentrations (1-5)

Complete 15 credits from the following: ANT, ARB, ART, CHN, COM, DAN, DRA, ECO, ENG, FLM, FRN, GEO, GRM, HST, HUM, JRN, MUS, PHL, PLS, PSY, SOC, SPN and YOG.

Communication Concentration (COM)
 COM 102 Interpersonal Communication
 COM 160 Voice and Articulation
 COM 183 Persuasion
 COM 210 Nonverbal Communication
 COM 225 Intercultural Communication

Articulation

Eastern Michigan University, BA and BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

First Semester

Class	Title	Minimum Credits
ENG 111	Composition I	4
Elective	Math Elective(s)	3
	Major Concentration 1	3
	Major Concentration 2	3

Second Semester

Class	Title	Minimum Credits
Elective	Arts/Human. Elective(s)	3-5
Elective	Elective(s) 100-level or above transferrable courses	3
	Elective(s) 100-level or above transferrable courses	3
	Major Concentration 3	3
Elective	Nat. Sci. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
Elective	Speech/Comp. Elective(s)	3
Elective	Arts/Human. Elective(s) 2 (not COM)	3
	Elective(s) 100-level or above transferrable courses	3
	Major Concentration 4	3
Elective	Soc. Sci. Elective(s) 1	3

Fourth Semester

Class	Title	Minimum Credits
Elective	Nat. Sci. Lab Elective(s)	3
Elective	Elective(s) 100-level or above transferrable courses to reach a minimum of 60 credits	6
	Major Concentration 5	3
Elective	Soc. Sci. Elective(s) 2	3
Elective	General Education Elective(s) (0-2 credits) to reach a minimum 30 General Education credits	2

First Semester

Class	Title	Minimum Credits
COM 101	Fundamentals of Speaking*	3
COM 210	Nonverbal Communication	3
Elective	Arts/Human. Elective(s) 2 (not COM)	3
Elective	Math Elective(s)	3

Second Semester

Class	Title	Minimum Credits
COM 102	Interpersonal Communication	3
COM 160	Voice and Articulation	3
ENG 111	Composition I	4
Elective	Elective(s) 100-level or above transferrable courses	3
Elective	Elective(s) 100-level or above transferrable courses	3

Third Semester

Class	Title	Minimum Credits
COM 183	Persuasion	3
ENG 226	Composition II	3
Elective	Nat. Sci. Elective(s)	3
Elective	Soc. Sci. Elective(s) 1	3
Elective	Elective(s) 100-level or above transferrable courses	3

Fourth Semester

Class	Title	Minimum Credits
COM 225	Intercultural Communication	3
Elective	Nat. Sci. Lab Elective(s)	3
Elective	Soc. Sci. Elective(s) 2	3
Elective	Elective(s) 100-level or above transferrable courses to reach a minimum of 60 credits	6
Elective	General Education Elective(s) (0-2 credits) to reach a minimum 30 General Education credits	2

Footnotes

*Satisfies one of the Arts and Humanities requirements.

A course counted for general education or program requirements may not also be counted for a Major Concentration. See an advisor for assistance in choosing courses.

Accurate as of 05/19/2022 Information is subject to change without notice.

Liberal Arts Transfer/EMU Communication Major BS (AALAT01O2)**Description**

This program prepares students for transfer to a bachelor of arts or science degree program at Eastern Michigan University, where they will further improve their communication and interpersonal skills in personal, professional and public contexts. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Communication Major, BA or BS

<https://www.wccnet.edu/articulation/aalat01o2>

For the entire list of articulation agreements

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
		94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Liberal Arts Transfer/EMU Communication, Media and Theatre Major BS (AALAT0104)**Description**

This program prepares students for transfer to a bachelor of arts or science degree program at Eastern Michigan University, where they will further improve their skills in communication, media and theatre arts. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Communication, Media and Theatre Arts Major, BA or BS

<https://www.wccnet.edu/articulation/aalat01o4>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Magnetic Resonance Imaging (MRI) (CPMRIP)**Description**

The Magnetic Resonance Imaging (MRI) Program is a post-associate advanced certificate program that is designed for registered radiologic technologists (ARRT), radiation therapists (ARRT), Sonographers (ARRT or ARDMS) and nuclear medicine technologists (ARRT or NMTCB). This program offers the didactic and clinical experience that will provide students with the knowledge, skills, and attitudes that are required to become an entry-level magnetic resonance imaging technologist. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) magnetic resonance imaging guidelines. Upon successful completion of the MRI program, students are eligible to take the ARRT post-primary certification examination in magnetic resonance imaging.

Admissions Requirements

Washtenaw Community College uses a limited enrollment process for admission to this program. Each year, approximately 12 students are accepted to the program for a Fall semester start. There are multiple requirements that must be completed prior to submitting an application for admission. For detailed information regarding admission to this health care program, please visit our Health Care website at <https://www.wccnet.edu/learn/departments/alhd/> .

Prerequisite and program requirements along with WCC's point system and scales are reviewed annually and subject to change. Students are expected to meet the prerequisite and program requirements of the catalog term for the semester in which they first begin the program. Details regarding WCC's admissions process and to download the application can be found on WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/> .

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite course:
 - a. Cross-sectional anatomy course from a JRCERT accredited college or hospital-based radiography program or RAD 223 with a minimum grade of B-/2.7 or completion of the ASRT module titled Sectional Anatomy Essentials: The Series. Applicants must prove receipt of credits from the ASRT.
3. Graduate of one (1) of the accredited programs below:
 - JRCERT
 - JRCNMT
 - JRC-DMS
 - JRC-CVT
 - CAAHEP
4. Expected to graduate from WCC's Radiography program in the Spring/Summer semester
4. Current American Registry of Radiologic Technologists (ARRT), American Registry for Diagnostic Medical Sonography (ARDMS) or Nuclear Medicine Technology Certification Board (NMTCB) registration card showing primary certification in one (1) of the following areas:
 - Radiography (R)
 - Sonography
 - Nuclear Medicine (N)

-Radiation Therapy (T)

-Expected to graduate from WCC's Radiography program in the Spring/Summer semester

5. Minimum cumulative college GPA of 3.0.

6. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to the program.

Applying for Admission to the Program

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Student Welcome Center, Health and Second Tier Program, information page <https://www.wccnet.edu/start-now/degree/2nd-tier/> . Completed and signed applications must be submitted during the dates indicated on the application to the Health and Second Tier Admissions Office in the Student Welcome Center, located on the second floor of the Student Center Building.

WCC Radiography students who are currently enrolled in the final year of their program and expected to graduate in the Spring/Summer semester are given priority and may submit an incomplete program application during the application window. It is strongly recommended that WCC Radiography graduates schedule and sit for their ARRT Certification Examination within the two weeks following the completion of their program. Verification of all pending admission prerequisite requirements must be submitted within the deadline to be eligible to begin the program if accepted.

Requirement After Acceptance

Upon acceptance, students must purchase an account from a college-designated vendor to obtain a criminal background check and to track their health records. The criminal background check and health records must be submitted to the designated vendor. Specific information regarding the college-designated vendor, health records, and deadline dates will be provided at the mandatory orientation session.

Continuing Eligibility

1. Additional criminal background checks may be conducted at any time during the program. Students may be required to have drug testing as well as additional criminal background checks and/or fingerprinting prior to the start of a clinical sequence as requested by specific clinical facilities. Any student found to have a positive drug screen for drugs prohibited by State of Michigan or Federal law (including marijuana) or controlled substances will be dismissed from the program. Failure to receive an acceptable criminal background/fingerprinting at any time, will result in dismissal from the program.
2. Students must complete any other health requirements as designated by the clinical sites.
3. All Magnetic Resonance Imaging (MRI) courses must be completed with a minimum grade of C/2.0.
4. Students will be required to attend a hospital orientation session prior to starting their clinical rotation.
5. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
6. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program.
7. Students must have reliable transportation to clinical education sites which may require a commute of up to one hour.
8. Students who are dismissed from the program may not be eligible to reapply to the program.

Requirements

Semester 1 (Fall)

Class	Title	Minimum Credits
MRI 101	MRI Safety, Instrumentation, and Quality Assurance	2
MRI 110	MRI Physics I	3
MRI 120	MRI Procedures I	3
MRI 126	MRI Clinical Education I	4

Semester 2 (Winter)

Class	Title	Minimum Credits
MRI 130	MRI Physics II	3
MRI 140	MRI Procedures II	3
MRI 146	MRI Clinical Education II	4

Mammography (CPMAM)

Description

The Mammography program is a post-associate advanced certificate that is designed for ARRT registered radiologic technologists. This program prepares students to perform screening and diagnostic mammography procedures using dedicated mammography equipment. The curriculum is based on the recommended American Society of Radiologic Technology (ASRT) mammography guidelines and includes both didactic and clinical education. Upon successful completion of the Mammography program, students are eligible to take the ARRT post-primary certification examination in mammography. In an effort to accommodate working radiologic technologists, this program will be offered in a blended-format.

Admissions Requirements

Washtenaw Community College uses a limited enrollment process for admission to this program. Each year, approximately 12 students are accepted to the program annually. There are multiple requirements that must be completed prior to submitting an application for admission. For detailed information regarding admission to this health care program, please visit our Health Care website at <https://www.wccnet.edu/learn/departments/alhd/> .

Prerequisite and program requirements along with WCC's point system and scales are reviewed annually and subject to change. Students are expected to meet the prerequisite and program requirements of the catalog term for the semester in which they first begin the program. Details regarding WCC's admissions process and to download the application can be found on WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/> .

Requirements for application are:

1. Admission to WCC.
2. Graduate of a Joint Review Committee on Education in Radiologic Technology (JRCERT) accredited program.

3. Current American Registry of Radiologic Technologists (ARRT) registration card showing primary certification in radiography.
4. Minimum cumulative college GPA of 2.7.
5. Signed Abilities Statement. WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to this program.
6. Upon acceptance, students are required to submit health records and undergo a criminal background check using a vendor selected by the college.

Applying for Admission to the Program

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Student Welcome Center, Health and Second Tier Program, information page <https://www.wccnet.edu/start-now/degree/2nd-tier/>. Completed and signed applications must be submitted during the dates indicated on the application to the Health and Second Tier Admissions Office in the Student Welcome Center, located on the second floor of the Student Center Building.

Requirement After Acceptance

Upon notification of acceptance to the program, students must purchase an account for a college-designated vendor to obtain a criminal background check and to track their health records. The criminal background check and health records must be submitted to the designated vendor before attending the mandatory program orientation session. Specific information on the college-designated vendor will be included in the program acceptance letter.

Continuing Eligibility

1. Additional criminal background checks may be conducted at any time during the program. Students may be required to have drug testing as well as additional criminal background checks and/or fingerprinting prior to the start of a clinical sequence as requested by specific clinical facilities. Failure to receive an acceptable drug test and/or criminal background/fingerprinting check at any time, will result in dismissal from the program.
2. Students must complete any other health requirements as designated by the clinical sites.
3. All Mammography (RAD) courses must be completed with a minimum grade of C/2.0.
4. Students who are dismissed from the program may not be eligible to reapply to the program.

Requirements

Semester 1 (Fall)

Class	Title	Minimum Credits
RAD 270	Principles of Mammography	3
RAD 271	Mammography Quality Control (QC)	3
RAD 273	Mammography Clinical Education	3

Management (CTMNGC)

Description

This certificate offers students an opportunity to acquire skills to supervise an operation by learning and applying basic management principles through case studies and exercises. Upon completing this program, students will be able to use various tools to manage an operation which includes developing goals, organizing work activities, promoting desired employee performance, and monitoring productivity with a customer focus. Emphasis will be placed on developing skills that will involve both a critical and creative approach to management problem-solving activities. The certificate may also be applied toward various Associate in Applied Science degrees.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
BMG 230	Principles of Management	3
BMG 273	Managing Operations	3
BMG 279	Organizational Management	3
BMG 231 or BMG 291	Nonprofit Management Project Management	3

Management (APMNGD)

Description

Some employers require or prefer employees to have an associate degree as a condition for employment or for advancement. Students can earn an Associate in Applied Science Degree in Management, with a concentration in Operations, Human Resources, Entrepreneurship and Innovation, or Sports and Entertainment, by completing the requirements listed in one of the below concentrations. See an advisor for specific course information and to select an appropriate pathway of interest.

Articulation

Eastern Michigan University, BS or BBA degree;
Siena Heights University, BBA degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**First Semester**

Class	Title	Minimum Credits
ACC 131	QuickBooks Software	3
BMG 101	Entrepreneurship I: Finding Your Opportunity	3
BMG 140	Introduction to Business	3
BMG 207	Business Communication	3
BMG 230	Principles of Management	3

Second Semester

Class	Title	Minimum Credits
BMG 109	Entrepreneurship II: Starting Your Business	3
BMG 111	Business Law I	3
BMG 155	Business on the Internet	3
BMG 205	Creating the Customer Experience	3
BMG 209	Entrepreneurship III - Running and Growing Your Business	3
BMG 294	Management Topics - Capstone	1

Third Semester

Class	Title	Minimum Credits
Elective	Writing Elective(s)	3
Elective	Math Elective(s)	3
Elective	Nat. Sci. Elective(s)	3
Elective	Elective(s) to reach minimum 61 credits	6

Fourth Semester

Class	Title	Minimum Credits
Elective	Speech/Comp. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3
Elective	Arts/Human. Elective(s)	3
Elective	Elective(s) to reach minimum 61 credits	6

First Semester

Class	Title	Minimum Credits
ACC 110	Payroll Accounting	2
BMG 207	Business Communication	3
BMG 230	Principles of Management	3
BMG 240	Human Resources Management	3
BMG 279	Organizational Management	3

Second Semester

Class	Title	Minimum Credits
BMG 111	Business Law I	3
BMG 140	Introduction to Business	3
BMG 205	Creating the Customer Experience	3
BMG 250	Principles of Marketing	3
BMG 294	Management Topics - Capstone	1
BOS 230	Electronic Forms Design	3

Third Semester

Class	Title	Minimum Credits
Elective	Writing Elective(s)	3
Elective	Math Elective(s)	4
Elective	Nat. Sci. Elective(s)	3
Elective	Elective(s) to reach minimum 61 credits	6

Fourth Semester

Class	Title	Minimum Credits
Elective	Speech/Comp. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3
Elective	Arts/Human. Elective(s)	3
Elective	Elective(s) to reach minimum 61 credits	6

First Semester

Class	Title	Minimum Credits
BMG 111	Business Law I	3
BMG 140	Introduction to Business	3
BMG 207	Business Communication	3
BMG 230	Principles of Management	3
BMG 279	Organizational Management	3

Second Semester

Class	Title	Minimum Credits
BMG 181	Introduction to Supply Chain Management	3
BMG 231 or BMG 291	Nonprofit Management Project Management	3
BMG 205	Creating the Customer Experience	3
BMG 228	Purchasing and Inventory Control	3
BMG 273	Managing Operations	3
BMG 294	Management Topics - Capstone	1

Third Semester

Class	Title	Minimum Credits
Elective	Writing Elective(s)	3
Elective	Math Elective(s)	4
Elective	Nat. Sci. Elective(s)	3
Elective	Elective(s) to reach minimum 62 credits	6

Fourth Semester

Class	Title	Minimum Credits
Elective	Speech/Comp. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3
Elective	Arts/Human. Elective(s)	3
Elective	Elective(s) to reach minimum 62 credits	6

First Semester

Class	Title	Minimum Credits
BMG 163	Introduction to Esports	3
BMG 165	Introduction to Sports and Entertainment Management	3
BMG 207	Business Communication	3
BMG 230	Principles of Management	3
BMG 279	Organizational Management	3

Second Semester

Class	Title	Minimum Credits
BMG 140	Introduction to Business	3
BMG 166	Sports and Entertainment Communications and Public Relations	3
BMG 168	Facilities and Event Management	3
BMG 169	Sports and Entertainment Marketing	3
BMG 205	Creating the Customer Experience	3
BMG 294	Management Topics - Capstone	1

Third Semester

Class	Title	Minimum Credits
Elective	Writing Elective(s)	3
Elective	Math Elective(s)	3
Elective	Nat. Sci. Elective(s)	3
Elective	Elective(s) to reach minimum 61 credits	6

Fourth Semester

Class	Title	Minimum Credits
Elective	Speech/Comp. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3
Elective	Arts/Human. Elective(s)	3
Elective	Elective(s) to reach minimum 61 credits	6

Management/EMU Business Administration BBA (APMNGD01B5)**Description**

This program prepares students for transfer to a bachelor's of business administration degree program at Eastern Michigan University, where they will further improve their communication and interpersonal skills while developing a specialty in accounting, economics, finance, management or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Business Major (approved) BBA

<https://www.wccnet.edu/articulation/apmngd01b5>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-two credits at Washtenaw Community College as outlined on the Articulation Agreement.	82
	Complete a minimum of forty-two credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Management/EMU Technology Management BS (APMNGD01BA)**Description**

The Technology Management degree program at Eastern Michigan University is designed for transfer students with an associate of applied science degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/apmngd01ba>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Math and Science (ASMSAS)**Description**

This program prepares students to transfer to a four-year college or university to complete a bachelor's degree in actuarial science, biology, chemistry, math, or pharmacy. The program will give students a solid foundation in math and science. Students should obtain program requirements and transfer equivalencies from the college to which they are transferring.

Complete the requirements for one of the following concentrations. These concentrations may also list courses used to meet General Education requirements.

Biology/Pre-Medicine (BMED)

CEM 111 General Chemistry I

CEM 122 General Chemistry II

CEM 211 Organic Chemistry I

CEM 222 Organic Chemistry II

Elective: BIO 111, BIO 208, BIO 215, BIO 227 or BIO 237

Chemistry/Pre-Medicine (CMED)

CEM 111 General Chemistry I
 CEM 122 General Chemistry II
 CEM 211 Organic Chemistry I
 CEM 222 Organic Chemistry II
 MTH 197 Linear Algebra

Mathematics (MATH)

MTH 160 Basic Statistics
 MTH 191 Calculus I
 MTH 192 Calculus II
 MTH 197 Linear Algebra
 MTH 293 Calculus III
 MTH 295 Differential Equations

Pre-Actuarial Science (PPAS)

ECO 211 Principles of Economics I
 ECO 222 Principles of Economics II
 MTH 191 Calculus I
 MTH 192 Calculus II
 MTH 197 Linear Algebra
 MTH 293 Calculus III

Pre-Pharmacy (PPHA)

Two Restricted Electives in Biology (see below)

CEM 211 Organic Chemistry I
 CEM 222 Organic Chemistry II
 PHY 111 General Physics I
 PHY 122 General Physics II

Biology Restricted Electives for Pre-Pharmacy (PPHA): BIO 111, BIO 161, BIO 162, BIO 208, BIO 237, BIO 215 or BIO 227

Optional Transfer Courses for Pre-Pharmacy (PPHA): MTH 160, MTH 192, along with other Biology restricted electives. See a program advisor to select appropriate Biology courses.

Articulation

This program will fulfill the Michigan Transfer Agreement (MTA) requirements provided the student takes two science courses from two different disciplines. One course must have a lab component. Students must have MTA posted on their transcripts by the WCC Student Records Office.

Admissions Requirements

- Students must have an Academic Math Level of 7 to begin the math sequence. Two years of high school algebra and one year of high school pre-calculus are recommended to prepare for this program.
- The biology and chemistry concentrations require one year of high school chemistry or CEM 101 with a "C" or better to enroll in CEM 111.

Requirements

First Semester

Class	Title	Minimum Credits
BIO 162	General Biology II Cells and Molecules	4
CEM 111	General Chemistry I	4
MTH 176 or MTH 191	College Algebra	4
Elective	Calculus I*	4
	Elective(s) to reach minimum 60 credits	5

Second Semester

Class	Title	Minimum Credits
BIO 161	General Biology I Ecology and Evolution	4
CEM 122	General Chemistry II	4
ENG 111	Composition I	4
MTH 160 or MTH 192	Basic Statistics**	4
	Calculus II	4

Third Semester

Class	Title	Minimum Credits
CEM 211	Organic Chemistry I	4
Elective	Speech/Comp. Elective(s)	3
Elective	Soc. Sci. Elective(s) 1	3
Elective	Select one course from the following: BIO 111, BIO 208***, BIO 215, BIO 227 or BIO 237	4

Fourth Semester

Class	Title	Minimum Credits
CEM 222	Organic Chemistry II	4
Elective	Arts/Human. Elective(s) 1	3
Elective	Soc. Sci. Elective(s) 2	3
Elective	Arts/Human. Elective(s) 2	3

First Semester

Class	Title	Minimum Credits
CEM 111	General Chemistry I	4
MTH 191	Calculus I	5
PHY 111	General Physics I	4
Elective	Elective(s) to reach minimum 60 credits	3

Second Semester

Class	Title	Minimum Credits
CEM 122	General Chemistry II	4
ENG 111	Composition I	4
MTH 192	Calculus II	4
PHY 122	General Physics II	4

Third Semester

Class	Title	Minimum Credits
CEM 211	Organic Chemistry I	4
Elective	Speech/Comp. Elective(s)	3
MTH 197	Linear Algebra	4
Elective	Soc. Sci. Elective(s) 1	3

Fourth Semester

Class	Title	Minimum Credits
Elective	Elective(s) to reach minimum 60 credits	1
CEM 222	Organic Chemistry II	4
Elective	Arts/Human. Elective(s) 1	3
Elective	Soc. Sci. Elective(s) 2	3
Elective	Arts/Human. Elective(s) 2	3

First Semester

Class	Title	Minimum Credits
Elective	Nat. Sci. Elective(s)	3
MTH 191	Calculus I	5
Elective	Select one course from the following: CPS 120, CPS 141, CPS 161 or CPS 171	3
ENG 111	Composition I	4

Second Semester

Class	Title	Minimum Credits
Elective	Nat. Sci. Lab Elective(s)	3
MTH 160	Basic Statistics	4
MTH 192	Calculus II	4
Elective	Soc. Sci. Elective(s) 1	3

Third Semester

Class	Title	Minimum Credits
Elective	Speech/Comp. Elective(s)	3
Elective	Elective(s) to reach minimum 60 credits	3
MTH 197	Linear Algebra	4
MTH 293	Calculus III	4
Elective	Soc. Sci. Elective(s) 2	3

Fourth Semester

Class	Title	Minimum Credits
MTH 295	Differential Equations	4
Elective	Arts/Human. Elective(s) 1	3
Elective	Arts/Human. Elective(s) 2	3
Elective	Elective(s) to reach a minimum of 60 credits.	4

First Semester

Class	Title	Minimum Credits
ACC 111	Principles of Accounting I	3
CPS 161	An Introduction to Programming with Java	4
ENG 111	Composition I	4
MTH 191	Calculus I	5

Second Semester

Class	Title	Minimum Credits
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ACC 122	Principles of Accounting II	3
ECO 211	Principles of Economics I	3
Elective	Nat. Sci. Elective(s)	3
MTH 192	Calculus II	4
Elective	Arts/Human. Elective(s) 1	3

Third Semester

Class	Title	Minimum Credits
ECO 222	Principles of Economics II	3
MTH 197	Linear Algebra	4
Elective	Nat. Sci. Lab Elective(s)	3
Elective	Soc. Sci. Elective(s) 2+	3

Fourth Semester

Class	Title	Minimum Credits
MTH 293	Calculus III	4
Elective	Arts/Human. Elective(s) 2++	3
Elective	Speech/Comp. Elective(s)	3
Elective	Elective(s) to reach minimum 60 credits	5

First Semester

Class	Title	Minimum Credits
Elective	Biology Restricted Elective	4
CEM 111	General Chemistry I	4
MTH 191	Calculus I	5
Elective	Arts/Human. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
Elective	Restricted Biology Elective	4
CEM 122	General Chemistry II	4
ENG 111	Composition I	4
Elective	Elective(s) to reach minimum 60 credits	3

Third Semester

Class	Title	Minimum Credits
CEM 211	Organic Chemistry I	4
Elective	Speech/Comp. Elective(s)	3
PHY 111	General Physics I	4
Elective	Arts/Human. Elective(s) 2	3
Elective	Soc. Sci. Elective(s) 1	3

Fourth Semester

Class	Title	Minimum Credits
CEM 222	Organic Chemistry II	4
PHY 122	General Physics II	4
Elective	Elective(s) to reach minimum 60 credits	1
Elective	Soc. Sci. Elective(s) 2	3

Footnotes

*Students transferring to EMU as a biology major may substitute MTH 176 or any higher 4-credit hour math course for MTH 191.

**Students transferring to EMU as a biology major may substitute MTH 160 or higher for MTH 192.

***Students transferring to EMU as a biology major may consider completing BIO 208 at WCC prior to transfer.

+See the MTA list to make course selections from any discipline except ECO.

++Transfer students should consider a course from the the EMU Diverse Word Requirements list.

Accurate as of 05/19/2022 Information is subject to change without notice.

Mechatronics - Robotics and Automated Systems (APMRAS)**Description**

This technology-driven program prepares students for entry-level positions within the mechatronics field as an automated equipment technicians. These technicians assemble, install, program, troubleshoot and maintain robotic systems and other automated equipment. This evolving field is suited towards people who enjoy working with technology to solve problems. Students will gain understanding of all systems involved with automation including: Digital and electromechanical systems and programming them (PLC), control of mechanical systems, computer aided design (CAD), robotics with vision and other systems. It is highly recommended that beginning students take at least one technical class during their first semester. See an advisor for assistance in planning your path.

Students with technology interests who enjoy working with their hands like gaming, manipulating code, 3D printing are suited for this line of work.

Articulation

Eastern Michigan University, several BS degrees;
Wayne State University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**First Semester**

Class	Title	Minimum Credits
ELE 111	Electrical Fundamentals	4
MEC 101	Blueprint Reading for Manufacturing	2
MEC 105	Pneumatics and Hydraulics in Fluid Power	4
ROB 101	Robotics I - I	2
ROB 110	Robotics I - II	2

Second Semester

Class	Title	Minimum Credits
ELE 211	Basic Electronics	4
NCT 100	Foundation Concepts for Manufacturing (CNC)	3
ROB 212	Robotics II	4
Elective	Math Elective(s)	3

Third Summer Semester

Class	Title	Minimum Credits
NCT 120	Introduction to 2D CAD CAM Programming and Applications	2
Elective	Writing Elective(s)	3
Elective	Nat. Sci. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
ELE 224	Programmable Controllers (PLCs) I	4
ROB 221	Robotics III	4
Elective	Speech/Comp. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3

Fifth Semester

Class	Title	Minimum Credits
ELE 254	Programmable Controllers (PLCs) II	4
MEC 201	Mechanisms	2
MEC 224	Mechatronics Capstone	4
Elective	Arts/Human. Elective(s)	3

Footnotes

See an advisor to assist in scheduling and planning for each semester as some classes have limited offering.

Accurate as of 05/19/2022 Information is subject to change without notice.

Mechatronics-Fluid Power/WSU Elect, Electromech or Mech Engineer Tech BS (APMETR11M1)**Description**

This program is designed for students who are interested in earning a Bachelor of Science degree in Engineering Technology at Wayne State University. Students may choose from one of three engineering technology degrees at WSU: Mechanical, Electrical/Electronic or Electromechanical. Engineering technologists (ET) create the objects we depend on, from smartphones to suspension bridges and everything in between. They can apply their abilities in using technical equipment, selling technical products, supervising construction projects and manufacturing processes, and more. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, BS degree

For the entire list of articulation agreements: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Requirements**

Class	Title	Minimum Credits
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Complete a maximum of seventy-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	76
Complete a minimum of forty-eight credits at Wayne State University as outlined on the Articulation Agreement.	0

Mechatronics-Industrial Electron/WSU Elect, Electromech or Mech Eng Tech BS (APMETR11M2)

Description

This program is designed for students who are interested in earning a Bachelor of Science degree in Engineering Technology at Wayne State University. Students may choose from one of three engineering technology degrees at WSU: Mechanical, Electrical/Electronic or Electromechanical. Engineering technologists (ET) create the objects we depend on, from smartphones to suspension bridges and everything in between. They can apply their abilities in using technical equipment, selling technical products, supervising construction projects and manufacturing processes, and more. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, BS degree

For the entire list of articulation agreements: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	76
	Complete a minimum of forty-eight credits at Wayne State University as outlined on the Articulation Agreement.	0

Mechatronics-Numerical Cntrl/WSU Elect, Electromech, Mech Engineer Tech BS (APMETR11M3)

Description

This program is designed for students who are interested in earning a Bachelor of Science degree in Engineering Technology at Wayne State University. Students may choose from one of three engineering technology degrees at WSU: Mechanical, Electrical/Electronic or Electromechanical. Engineering technologists (ET) create the objects we depend on, from smartphones to suspension bridges and everything in between. They can apply their abilities in using technical equipment, selling technical products, supervising construction projects and manufacturing processes, and more. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, BS degree

For the entire list of articulation agreements: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	76
	Complete a minimum of forty-eight credits at Wayne State University as outlined on the Articulation Agreement.	0

Mechatronics/EMU Technology Management BS (APMETR01M1)

Description

The Technology Management degree program at Eastern Michigan University is designed for transfer students with an associate of applied science degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/apmetr01m1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Medical Assisting (CTMA2)

Description

In this program, students will develop comprehensive skills in managing both administrative and clinical duties such as coding, scheduling, arranging for laboratory services, instructing patients about medication and special diets and drawing blood. This program is designed to prepare professional multi-skilled individuals for employment in physician's offices, medical clinics, laboratories and other ambulatory health care facilities. Graduates will be prepared to sit for the medical assisting certification exam.

Admissions Requirements

High school diploma or GED

Continuing Eligibility

1. Students may be required to have a criminal background check and/or fingerprinting prior to the start of their clinical experience as requested by clinical facilities.
2. Completed health history form (physical examination)
3. Negative TB skin test
4. Current health insurance
5. Current BLS/CPR certification
6. Complete all courses with a minimum grade of "C"

Requirements

First Semester

Class	Title	Minimum Credits
MED 101	Introduction to Medical Assisting	1
MED 104	Medical Assistant Math and Pharmacology	1
MED 112	Medical Assistant Administrative I	2
MED 114	Medical Assistant Lab I	3
MED 116	Insurance Billing and Coding Basics for the Medical Assistant	2

Second Semester

Class	Title	Minimum Credits
MED 210	Medical Assistant Administrative II	2
MED 221	Medical Assistant Lab II	3
MED 241	Medical Assistant Clinical Practice	2
MED 245	Medical Assisting Credentialing Exam Review	1

Medical Billing and Coding (CTMBC)

Description

In this program, students will develop comprehensive skills in classifying, coding, reporting, analyzing and managing medical data for both physician's office and large healthcare facility settings. Students will also learn how to code and process claims for reimbursement for multiple healthcare environments, and learn about pertinent laws, regulations, and compliance issues affecting healthcare information management and privacy. Upon completion of this program, students may be eligible to take the AHIMA CCA, CCS and CCS-P coding exams. This program is not an AAMA certification preparation program.

Admissions Requirements

BIO 109 or BIO 111 and HSC 124 with a C minimum grade requirement.

Continuing Eligibility

All courses must be completed with a GPA of 2.0 or better.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BIO 109 or BIO 111	Essentials of Human Anatomy and Physiology Anatomy and Physiology - Normal Structure and Function	4
HSC 124	Medical Terminology	3

First Semester

Class	Title	Minimum Credits
MBC 185	Health Information Management/Electronic Health Record	3
MBC 205	Introductory ICD Coding	3
MBC 215	Introductory Procedural Coding	3
MBC 223	Medical Office Procedures	3

Second Semester

Class	Title	Minimum Credits
MBC 210	Intermediate/Advanced ICD-10 CM Coding	3
MBC 220	Intermediate/Advanced Procedural Coding	3
MBC 224	Medical Insurance and Reimbursement	4

Third Semester

Class	Title	Minimum Credits
MBC 250	Medical Coding Practicum	3

Motorcycle Service Technology I (CTMST1)**Description**

This purpose of the Motorcycle Service Technology I program is to provide the student with fundamental certification as a motorcycle technician. The student will receive skill training in service department operations, vehicle set-up, mileage-based maintenances, and damage repair estimating. Areas of instruction include; troubleshooting, diagnosing, servicing, and the repair of primary and final drive systems, transmissions, brakes, suspensions, electrical, and induction systems. The program will provide the skills for the student to test for the State of Michigan Motorcycle Mechanics License.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
MST 110	Motorcycle Service Technology I	4
MST 120	Motorcycle Service Technology II	4
MST 130	Motorcycle Service Technology III	4
MST 140	Motorcycle Service Technology IV	4
WAF 105	Introduction to Welding Processes	2

Motorcycle Service Technology II (CVMST2)**Description**

The purpose of the Motorcycle Service Technology II Advanced Certificate program is to improve the student's skills as a motorcycle technician. Emphasis is placed on engine performance technology, dynamometer operations, and welding.

Admissions Requirements

Completion of the Motorcycle Service Technology I Certificate.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
MST 210	Performance Engine Technology	4
MST 220	Dynamometer Operations	4
MST 225	Advanced Dynamometer Tuning Systems	4
WAF 103	Introduction to Gas Tungsten Arc Welding	2

Nursing Assistant Skills Training (CCNAST)

Description

This state certified four-five week program prepares students to work as a nursing assistant in a variety of health care settings such as nursing homes, hospitals and home care. Training takes place in the classroom, lab and clinical settings within the community. Upon completion of the program, students are eligible to apply for and take the Michigan Certified Nurse Aid (CNA) exam.

Admissions Requirements

Program admission requires a minimum age of 17 and Academic Reading and Writing Level 3. Students need to bring a paper photocopy of their driver's license or Michigan State ID to the mandatory orientation for the criminal background clearance check.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
HSC 100	Basic Nursing Assistant Skills	4

Nursing, Licensed Practical Nurse to Registered Nurse (APNURL)

Description

This Licensed Practical Nursing to Registered Nurse (LPN to RN) program prepares students for the National Council Licensure Examination for Registered Nursing (NCLEX-RN). Credit earned in the nursing program may transfer to a bachelor's degree (BSN) completion program. Learning opportunities are in the classroom, simulation lab, clinical setting, and community. Students will be prepared to succeed in a dynamic healthcare environment.

Admissions Requirements

WCC uses a competitive admission process for high demand programs in health care. WCC offers this LPN to RN program option every Spring/Summer semester for LPNs who have successfully completed the admission requirements for this program and prerequisites for NUR 134. Please see the application packet for the number of seats available each term. There are multiple requirements that must be completed prior to submitting an application for admission. Students with two WCC NUR course failures or withdrawals in failing status are not eligible to apply to this program. Applicants are required to meet all admission criteria and will be ranked based on a point system. The best qualified applicants will be selected for admission to the program. Student residency will be a weighted factor in the process. Details regarding WCC's Admission to High Demand Programs policy including priority levels are on WCC's Board of Trustees page: <https://www.wccnet.edu/trustees/policies/2005/>. Details regarding WCC's point scales that are used to calculate points are on WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/>.

Prerequisite and program requirements along with WCC's point system and scales are reviewed annually and subject to change. Students are expected to meet the prerequisite and program requirements of the catalog term for the semester in which they first begin the program.

Requirements for application are:

1. Admission to WCC.
2. All applicants are required to have a mandatory meeting with an advisor prior to applying to the program.
3. Verification of current, unrestricted LPN License.
4. Employment Verification Form showing at least 2,080 hours of employment within the last 2 years as a Licensed Practical Nurse or Licensed Vocational Nurse.
5. Program prerequisite courses:
 - a. MTH 160 or MTH 176 or a math course numbered 176 or higher, with a minimum grade of C/2.0.
 - b. BIO 111 with a minimum grade of B-/2.7.
 - c. COM 101, COM 102 or COM 200 with a minimum grade of C/2.0.
 - d. ENG 111 with a minimum grade C/2.0.
6. Pass the current version of the Test of Essential Academic Skills, ATI-TEAS <https://www.wccnet.edu/start-now/degree/2nd-tier/teas.php>, by achieving the following minimum scores:
 - Math proficiency - 60 percent or higher
 - Reading proficiency - 70 percent or higher
 - English and Language Usage proficiency - 60 percent or higher
 - Science proficiency - 45 percent or higher
 If repeated TEAS test attempts are needed to meet required scores, the highest subject score from each attempt will be applied towards admission requirements. Students will be allowed a maximum of three (3) attempts within five (5) years to take the TEAS and achieve the minimum scores required.
7. Signed Abilities Statement. WCC reserves the right to request, before or during the program, that students successfully demonstrate the specific physical and cognitive abilities related to the Nursing program.
8. Residency verification.

After Acceptance

1. Students are required to submit health records, undergo drug screening and complete a full background check paid to an outside vendor selected by the College.
2. Students must request up to fourteen (14) WCC prior learning credits and pay associated fees for their current LPN license/experience as needed to reach a minimum 60 credit hours. Nursing faculty will work with students to determine the correct number of hours.
3. Students should be aware that the Michigan Board of Nursing may deny a license to an applicant who has been convicted of a crime or is addicted to drugs or alcohol.

Applying for Admission to the Program

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/>. Completed and signed applications must be submitted to the

Health and Second Tier Admissions Office in the Student Welcome Center, located on the second floor of the Student Center Building during the dates indicated on the application.

Requirement After Acceptance

Upon acceptance, students must purchase an account from a college-designated vendor to obtain a criminal background check and to track their health records. The criminal background check and health records must be submitted to the designated vendor. Specific information regarding the college-designated vendor, health records, and deadline dates will be included in the program acceptance letter and/or provided at the mandatory orientation session.

Continuing Eligibility

- Program courses are sequential and complemented with appropriate support courses.
- All Registered Nursing (NUR) courses must be completed with a minimum grade of C+/2.3 and all support courses to the program must be completed with a minimum grade of C/2.0 unless otherwise specified.
- Students are required to adhere to rules of the American Nursing Association (ANA) Nursing Code of Ethics.
- Additional criminal background checks may be conducted at any time during the program. Students may be required to have drug testing as well as additional criminal background checks and/or fingerprinting prior to the start of a clinical sequence as requested by specific clinical facilities. Any student found to have a positive drug screen for drugs prohibited by State of Michigan or Federal law (including marijuana) or controlled substances will be dismissed from the program. Failure to receive an acceptable criminal background/fingerprinting at any time, will result in dismissal from the program. Any cost, if indicated, for these checks is the responsibility of the student.
- Students in the Nursing (LPN to RN) program will be required to purchase special uniforms and supplies throughout the duration of the program.
- Students are required to submit health records annually while in the program.
- Students who are dismissed from the program may not be eligible to reapply to the program.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
BIO 111	Anatomy and Physiology - Normal Structure and Function	5
COM 101 or COM 102 or COM 200	Fundamentals of Speaking Interpersonal Communication Family Communication	3
ENG 111	Composition I	4
MTH 160 or	Basic Statistics Any Math Level 4 or higher course	4

First Semester

Class	Title	Minimum Credits
BIO 212	Pathophysiology: Alterations in Structure and Function	4
NUR 134	Nursing: LPN to RN Transition Course	3
PSY 206	Life Span Developmental Psychology	4

Second Semester

Class	Title	Minimum Credits
NUR 138	Nursing Concepts III	8
PHL 244	Ethical and Legal Issues in Health Care	3

Third Semester

Class	Title	Minimum Credits
NUR 288	Nursing Concepts IV	8

Requirements

Class	Title	Minimum Credits
	LPN unrestricted license and experiential learning; upon acceptance, students must formally request WCC credits for prior learning and pay any associated fees to WCC as needed, up to a maximum of 14 credits, to reach minimum 60 credits.	14

Nursing, Registered (APNURS)

Description

The WCC Nursing Program prepares students for the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Credit earned in the nursing program can transfer to a BSN completion program. Learning opportunities are in the classroom, simulation lab, clinical setting and community. Students will be prepared to succeed in a dynamic healthcare environment.

For more detailed information regarding the health care programs at WCC, please visit <https://www.wccnet.edu/learn/departments/alhd/>.

Articulation

Chamberlain College of Nursing, BSN degree;
Eastern Michigan University, BSN degree;
Siena Heights University, BSN degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

WCC uses a competitive admission process for high demand programs in health care. Each year, approximately 100 students are accepted to the program; please see the application packet for the number of seats available each term. There are multiple requirements that must be completed prior to submitting an application for admission. Students with two WCC NUR course failures or withdrawals in failing status are not eligible to apply to this program. Applicants are required to meet all admission criteria and will be ranked based on a point system. The best qualified applicants will be selected for admission to the program. Student residency will be a weighted factor in the process. Details regarding WCC's Admission to High Demand Programs policy including priority levels are on WCC's Board of Trustees page: <https://www.wccnet.edu/trustees/policies/2005/>. Details regarding WCC's point scales that are used to calculate points are on WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/>.

Prerequisite and program requirements along with WCC's point system and scales are reviewed annually and subject to change. Students are expected to meet the prerequisite and program requirements of the catalog term for the semester in which they first begin the program.

Students are encouraged to complete required support courses prior to beginning the program. This is a full-time program; no part-time option is available.

Requirements for application are:

1. Admission to WCC.
2. All applicants are required to attend a Mandatory Nursing Information Session prior to applying to the program. <https://www.wccnet.edu/start-now/degree/2nd-tier/mandatory-nursing-info-session.php>
3. Program prerequisite courses:
 - a. MTH 160 or MTH 176 or a math course numbered 176 or higher with a minimum grade of C/2.0.
 - b. BIO 111 with a minimum grade of B-/2.7.
 - c. COM 101, COM 102 or COM 200 with a minimum grade of C/2.0.
 - d. ENG 111 with a minimum grade C/2.0.
4. Current or expired Certified Nurse Aide (CNA) certification from the state of Michigan or HSC 100 or HSC 164 or HSC 165, with a minimum grade of C/2.0.
5. Pass the current version of the Test of Essential Academic Skills, ATI-TEAS <https://www.wccnet.edu/start-now/degree/2nd-tier/teas.php> , by achieving the following minimum scores:
Math proficiency - 60 percent or higher
Reading proficiency - 70 percent or higher
English and Language Usage proficiency - 60 percent or higher
Science proficiency - 45 percent or higher
If repeated TEAS test attempts are needed to meet required scores, the highest subject score from each attempt will be applied towards admission requirements. Students will be allowed a maximum of three (3) attempts within five (5) years to take the TEAS and achieve the minimum scores required.
6. Signed Abilities Statement. WCC reserves the right to request, before or during the program, that students successfully demonstrate the specific physical and cognitive abilities related to the Nursing program.
7. Residency verification.
8. Upon acceptance, students are required to submit health records, undergo drug screening and criminal background checks using a vendor selected by the College.
9. Students should be aware that the Michigan Board of Nursing may deny a license to an applicant who has been convicted of a crime or is addicted to drugs or alcohol.

Applying for Admission to the Program

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/>. Completed and signed applications must be submitted to the Health and Second Tier Admissions Office in the Student Welcome Center, located on the second floor of the Student Center Building during the dates indicated on the application.

Requirement After Acceptance

Upon acceptance, students must purchase an account from a college-designated vendor to obtain a criminal background check and to track their health records. The criminal background check and health records must be submitted to the designated vendor. Specific information regarding the college-designated vendor, health records, and deadline dates will be included in the program acceptance letter and/or provided at the mandatory orientation session.

There is mandatory attendance at the new student orientation session upon acceptance into the program. Students who do not make admission but are given alternate candidate status will be required to attend orientation to be eligible to move to accepted status if a seat becomes available.

Continuing Eligibility

-Additional criminal background checks may be conducted at any time during the program. Students may be required to have drug testing as well as additional criminal background checks and/or fingerprinting prior to the start of a clinical sequence as requested by specific clinical facilities. Any student found to have a positive drug screen for drugs prohibited by State of Michigan or Federal law (including marijuana) or controlled substances will be dismissed from the program. Failure to receive an acceptable criminal background/fingerprinting at any time, will result in dismissal from the program. Any cost, if indicated, for these checks is the responsibility of the student.

-Program courses are sequential and complemented with appropriate support courses.

-All Registered Nursing (NUR) courses must be completed with a minimum grade of C+/2.3 and all support courses to the program must be completed with a minimum grade of C/2.0 unless otherwise specified.

-Students are required to adhere to rules of the American Nursing Association (ANA) Nursing Code of Ethics.

-Students should be aware that the Michigan Board of Nursing may deny a license to an applicant who has been convicted of a crime or is addicted to drugs or alcohol.

-Students are required to meet clinical health requirements and to provide records verifying same while in the program.

-Students in the Nursing program will be required to purchase special uniforms and supplies throughout the duration of the program.

-Students who are dismissed from the program may not be eligible to reapply to the program.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
BIO 111	Anatomy and Physiology - Normal Structure and Function	5
ENG 111	Composition I	4
COM 101 or COM 102 or COM 200	Fundamentals of Speaking Interpersonal Communication Family Communication	3
	MTH 160 (or MTH 167 if completed and passed Winter 2017 or earlier) or any math level 4 or higher course	3

First Semester

Class	Title	Minimum Credits
BIO 147	Hospital Microbiology*	1
BIO 212	Pathophysiology: Alterations in Structure and Function	4
NUR 108	Nursing Concepts I	8
NUR 115	Pharmacology	3

Second Semester

Class	Title	Minimum Credits
NUR 128	Nursing Concepts II	8
PSY 206	Life Span Developmental Psychology	4

Third Semester

Class	Title	Minimum Credits
NUR 138	Nursing Concepts III	8
PHL 244	Ethical and Legal Issues in Health Care	3

Fourth Semester

Class	Title	Minimum Credits
NUR 288	Nursing Concepts IV	8

Footnotes

*If you are planning to pursue a BSN degree, it is strongly recommended that you take BIO 237 Microbiology, in place of BIO 147. BIO 147 will not transfer to a four-year university.

Accurate as of 05/19/2022 Information is subject to change without notice.

Nursing, Registered/EMU BSN Completion (APNURS01N1)

Description

This program is designed for students transferring to Eastern Michigan University where they will earn a BSN in the Nursing Completion program. Students are prepared for challenging and exciting jobs in all settings of health care, from the hospital to home care. Students will gain proficiency in technical aspects of nursing care, such as medication administration, treatments and procedures, and use of medical technology. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Nursing Completion BSN

<https://www.wccnet.edu/articulation/apnurs01n1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94

Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement. 0

Nursing, Registered/EMU Technology Management BS (APNURS01N2)

Description

This program is designed for students who are interested in Eastern Michigan University's Technology Management program. The curriculum provides the necessary foundation to meet the changing needs of management in the health field. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/apnurs01n2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Occupational Studies (APOST)

Description

This program allows students to earn an Associate in Applied Science degree by building on occupational/technical courses and certificates. This option can be selected if an associate degree is required or preferred as a condition for employment or advancement in a field. The program also allows students to combine coursework from several occupational areas to prepare for a job that requires multidisciplinary skills. Meet with a divisional counselor or faculty advisor for assistance in developing a program of study. A counselor can help determine career interests and educational goals, as well as provide transfer and career information.

Articulation

Eastern Michigan University, several BS degrees;
Ferris State University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

General Studies Program Requirements

Class	Title	Minimum Credits
		18
	Complete a minimum of 20 credits in an occupational/technical area	20
	Complete additional coursework as free electives to bring the total to a minimum of 60 credits	22

Occupational Studies/EMU Technology Management BS (APOST01O1)

Description

The Technology Management degree program at Eastern Michigan University is designed for transfer students with an associate of applied science degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/apost01o1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement. See the articulation for suggested occupational areas.	94
		0

Occupational Studies/WSU Elect, Electromech or Mech Engineer Tech BS (APOST1101)

Description

This program is designed for students who are interested in earning a Bachelor of Science degree in Engineering Technology at Wayne State University. Students may choose from one of three engineering technology degrees at WSU: Mechanical, Electrical/Electronic or Electromechanical. Engineering technologists (ET) create the objects we depend on, from smartphones to suspension bridges and everything in between. They can apply their abilities in using technical equipment, selling technical products, supervising construction projects and manufacturing processes, and more. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, BS degree

For the entire list of articulation agreements: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	76
	Complete a minimum of forty-eight credits at Wayne State University as outlined on the Articulation Agreement.	0

Paralegal Studies/Pre-Law (AAPSPL)

Description

This program prepares students for entry-level positions or further study in the field of law. Entry-level paralegal positions are available in legal offices such as corporate, prosecuting and public defense in addition to some courts. Under the supervision of an attorney, paralegals may assist with research, court filings, documentation and depositions. Students who wish to continue their education may continue on to a bachelor's degree or a Juris Doctorate degree.

Articulation

Eastern Michigan University, BS degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

First Semester

Class	Title	Minimum Credits
CJT 130	Introduction to Paralegal Studies	3
CJT 156	Everyday Law	4
COM 102	Interpersonal Communication	3
ENG 111	Composition I	4
	Nat. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
BOS 206	Personal Management Application and Internet Resources	2
CJT 120	Criminal Justice Ethics	3
ENG 226	Composition II	3
MTH 160	Basic Statistics	4

SOC 100	Principles of Sociology	3
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Third Semester

Class	Title	Minimum Credits
ACC 111	Principles of Accounting I	3
CJT 160	Criminal Justice Constitutional Law	3
HST 200	Michigan History	3
	Nat. Sci. Lab Elective(s)*	3
	General Education Elective(s) (0-1 credits) to reach a minimum 30 General Education Credits	1
	Elective(s) to reach minimum 60 credits	1

Fourth Semester

Class	Title	Minimum Credits
BMG 111	Business Law I	3
CJT 208	Criminal Evidence and Procedure	3
CJT 209	Criminal Law	3
MUS 147	Art and Entertainment Law	3
PHL 250	Logic	3

Footnotes

*Students wishing to transfer to EMU should follow the articulation guide.

Accurate as of 05/19/2022 Information is subject to change without notice.

Paralegal Studies/Pre-Law/EMU Paralegal BS (AAPSPL01J1)**Description**

This program prepares students to transfer to a bachelor of science program in Paralegal. The four-year degree prepares students for a diverse set of career options. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Paralegal BS

<https://www.wccnet.edu/articulation/aapspl01j1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of seventy-nine credits at Washtenaw Community College as outlined on the Articulation Agreement.	79
	Complete a minimum of forty-five credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Photographic Imaging (CTPHOI)**Description**

This program prepares students to enter the ever-evolving field of photography by providing a strong foundation of technical and aesthetic skills. Areas of study include: basic camera operation and composition skills; film and digital exposure and processing methods; studio lighting; and printing and presentation techniques.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
PHO 111	Photography I	4
PHO 117	Introduction to the Studio	4
PHO 122	Film and Darkroom Photography	3
PHO 127	Digital Photo Imaging I	4
PHO 129	Black and White Digital Imaging	4
PHO 228	Digital Photo Imaging II	4

Photographic Technology (APPHOT)

Description

This program provides a comprehensive foundation in digital and film based photography. Through a combination of required basic courses and specialized elective courses, the student customizes the program to his or her particular interest in the photographic industry. Students have opportunities to work with a variety of advanced photographic equipment including digital cameras, view cameras, traditional darkroom, and various types of studio and location lighting systems. Graduating students produce professional portfolios and self-promotional materials to find employment in a variety of areas such as photographic assisting, photojournalism, fine art, freelance, portrait and wedding photography. Students also complete the program to use photography as a means of personal expression, and as preparation for transferring to four-year baccalaureate programs.

Students should choose the appropriate faculty for academic advising based on their last name: Terry Abrams (A-G), Jennifer Baker (H-O), Donald Werthmann (P-Z).

Articulation

College for Creative Studies, BFA degree;
Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

First Semester

Class	Title	Minimum Credits
PHO 111	Photography I	4
PHO 122	Film and Darkroom Photography	3
PHO 127	Digital Photo Imaging I	4
Elective	Writing Elective(s)*	3

Second Semester

Class	Title	Minimum Credits
PHO 117	Introduction to the Studio	4
PHO 129	Black and White Digital Imaging	4
	Restricted Courses 1 - Complete additional credits from the PHO electives (100 level and above) and/or the following courses: ANI 150, ANI 155, ANI 160, GDT 100, GDT 104, GDT 106, GDT 108, GDT 112, VID 105, VID 125, WEB 110	3
Elective	Math Elective(s)**	3

Third Semester

Class	Title	Minimum Credits
PHO 103	History of Photography***	3
PHO 211 or PHO 220	Large Format Photography I	3
PHO 228	Advanced Studio Techniques****	4
	Digital Photo Imaging II	4
	Restricted Courses 2 - Complete additional credits from the PHO electives (100 level and above) and/or the following courses: ANI 150, ANI 155, ANI 160, GDT 100, GDT 104, GDT 106, GDT 108, GDT 112, VID 105, VID 125, WEB 110	4
Elective	Soc. Sci. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
PHO 230	Portfolio Projects	3
PHO 231	Portfolio Seminar	4
	Restricted Courses 3 - Complete additional credits from the PHO electives (100 level and above) and/or the following courses: ANI 150, ANI 155, ANI 160, GDT 100, GDT 104, GDT 106, GDT 108, GDT 112, VID 105, VID 125, WEB 110	4
Elective	Nat. Sci. Elective(s)	3
Elective	Speech/Comp. Elective(s)*****	3

Footnotes

*ENG 100 or ENG 111 is recommended

**MTH 125 is recommended

***PHO 103 fulfills the Arts and Humanities general education requirement

****PHO 220 requires that the prerequisite course, PHO 116, be taken prior to or concurrently with PHO 220

*****COM 101 or COM 102 is recommended

Accurate as of 05/19/2022 Information is subject to change without notice.

Physical Therapist Assistant (APPTA)

Description

Physical Therapist Assistants (PTAs) are skilled and licensed health care providers who work under the direction and supervision of physical therapists. PTAs perform components of physical therapy plan of care developed by a supervising physical therapist. PTAs assist physical therapists in providing services that help improve mobility, relieve pain, and prevent or limit permanent disabilities for people of all ages who have medical problems or other health-related concerns. Duties of the PTA include assisting the physical therapist in implementing treatment programs, providing interventions, and communicating with the physical therapist and other members of the health care team regarding the client's response to treatment and interventions. Clients may include accident victims, individuals with disabling conditions, and those requiring instruction in health promotion and wellness activities. Upon successful completion of this program, the student will receive an Associate in Applied Science Degree in Physical Therapist Assistant and is eligible to apply for Michigan licensure and take the National Physical Therapy Examination administered by the Federation of State Boards of Physical Therapy (FSBPT).

Articulation

Eastern Michigan University, BS degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Admissions Requirements

Washtenaw Community College uses a competitive admission process for high demand programs in health care. Each year, approximately 20 students are accepted to the program for a Fall semester start. There are multiple requirements that must be completed prior to submitting an application for admission. This is a full-time program; no part-time option is available. For detailed information regarding admission to this health care program, please visit our Health Care website at <https://www.wccnet.edu/learn/departments/alhd/> .

Prerequisite and program requirements along with WCC's point system and scales are reviewed annually and subject to change. Students are expected to meet the prerequisite and program requirements of the catalog term for the semester in which they first begin the program. Details regarding WCC's Admission to High Demand Programs policy including priority levels are on WCC's Board of Trustees policy page: <https://www.wccnet.edu/trustees/policies/2005/>. Details regarding WCC's point scales that are used to calculate points are on WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/> .

Requirements for application are:

1. Admission to WCC.
2. All applicants are required to have a mandatory meeting with an advisor prior to applying to the program.
3. Program prerequisite courses:
 - a. Academic Math Level 3 or higher or MTH 160 with a minimum grade of C/2.0.
 - b. HSC 101 with a minimum grade of C/2.0.
 - c. BIO 111 with a minimum grade of B-/2.7.
 - d. ENG 111 with a minimum grade of C/2.0
4. Minimum cumulative program prerequisite GPA of 2.8.
5. Signed Abilities Statement (refer to the form in the admission packet). WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to the program.
6. Due to Covid-19, WCC is waiving the requirement for both Fall 2021 and Fall 2022, that students complete 20 hours of observations in a physical therapy setting with a minimum of three (3) hours in at least three (3) different types of physical therapy settings. A determination of requirements for future applicants will be made based on CDC and official Public Health recommendations at the time the next application packet is prepared.
7. Residency verification.

Applying for Admission to the Program

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Student Welcome Center, Health and Second Tier Program, information page <https://www.wccnet.edu/start-now/degree/2nd-tier/> . Completed and signed applications must be submitted during the dates indicated on the application to the Health and Second Tier Admissions Office in the Student Welcome Center, located on the second floor of the Student Center Building.

Requirement After Acceptance

Upon notification of acceptance to the program students must purchase an account from a college-designated vendor to obtain a criminal background check and to track their health records. The criminal background check must be submitted to the designated vendor before attending the first program mandatory orientation session. The health requirements must be completed within the dates provided in the acceptance letter and submitted to the designated vendor by the deadline provided in the acceptance letter. Complete WCC Ready for OnLine Learning (ROLL) and provide verification of successful completion.

Continuing Eligibility

1. Additional criminal background checks may be conducted at any time during the program. Students may be required to have drug testing as well as additional criminal background checks and/or fingerprinting prior to the start of a clinical sequence as requested by specific clinical facilities. Failure to receive an acceptable drug test and/or criminal background/fingerprinting check at any time, will result in dismissal from the program.
2. Students will be required to submit health records annually while in the program and must complete any other health requirements as designated by the clinical sites.
3. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
4. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program. Failure to demonstrate continued competency will result in dismissal from the program.
5. Students must have reliable transportation to clinical education sites which may require a commute of up to one hour.
6. All Physical Therapist Assistant (PTA) courses and support courses to the program must be completed with a minimum grade of C/2.0.
7. Students who are dismissed from the program may not be eligible to reapply to the program.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BIO 111	Anatomy and Physiology - Normal Structure and Function	5
ENG 111	Composition I	4
HSC 101	Healthcare Terminology	1
MTH 160	Basic Statistics*	4

Semester 1 (Fall)

Class	Title	Minimum Credits
COM 101 or COM 102	Fundamentals of Speaking*	3
HSC 147	Interpersonal Communication*	3
PTA 100	Growth and Development*	2
PTA 150	Fundamentals of Physical Therapy	3
PTA 180	Therapeutic Procedures I	4
	Clinical Kinesiology	4

Semester 2 (Winter)

Class	Title	Minimum Credits
PSY 100	Introduction to Psychology*	3
PTA 160	Therapeutic Procedures II	2
PTA 195	Introduction to Disease	2
PTA 200	Therapeutic Modalities	4
PTA 220	Therapeutic Exercise I	4
PTA 230	Clinical Education I	1

Semester 3 (Fall)

Class	Title	Minimum Credits
PHL 244	Ethical and Legal Issues in Health Care*	3
PTA 198	Soft Tissue Management	2
PTA 225	Therapeutic Exercise II	4
PTA 240	Clinical Education II	2

Semester 4 (Winter)

Class	Title	Minimum Credits
PTA 250	Clinical Education III	5
PTA 280	Clinical Concepts	1

Footnotes

*These courses may be taken before admission to the Physical Therapist Assistant program. (It is strongly recommended that students complete the general education courses before entering the Physical Therapist Assistant program.) Students may transfer or substitute equivalent general education courses or a healthcare terminology course required for the Physical Therapist Assistant program.

Accurate as of 05/19/2022 Information is subject to change without notice.

Physical Therapist Assistant/EMU Exercise Science BS (APPTA01T2)**Description**

The Physical Therapist Assistant program prepares students for transfer to a bachelor's of exercise science, an interdisciplinary program in the medical sciences, at Eastern Michigan University. Students should check with an advisor for information on transferring.

Articulation

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty credits at Washtenaw Community College as outlined on the Articulation Agreement.	80
	Complete a minimum of forty-four credits at Eastern Michigan University as outlined on the Articulation Agreement.	

Physical Therapist Assistant/EMU Health Administration BS (APPTA01T1)**Description**

This program prepares students for transfer to a health administration bachelor's of science degree program at Eastern Michigan University. Students are trained for health administration jobs in nursing homes, home health agencies, outpatient facilities, hospitals, public health agencies, health maintenance organizations and many other health care settings. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Health Administration BS

<https://www.wccnet.edu/articulation/appta01t1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of seventy-eight credits at Washtenaw Community College as outlined on the Articulation Agreement.	78
	Complete a minimum of forty-six credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Police Academy (CTPA)**Description**

The successful completion of this program is mandatory for anyone seeking law enforcement licensing in the State of Michigan. The Michigan Commission on Law Enforcement Standards (MCOLES) and the WCC Police Academy Advisory Committee have created the course content. The WCC Student Handbook, the MCOLES Policy and Procedure Manual, and the WCC Police Academy Daily Rules and Regulations will govern student conduct. The police academy is structured as an adult learning experience, and will require significant self-discipline on the part of the student. Teamwork is required. Just as sworn law enforcement officers operate under a code of honor which requires them to be above reproach in ethics and behavior, students will also be held to this same standard. MCOLES pre-enrollment is a corequisite of this course. Prospective students should review the "Selection and Employment Standards for Michigan Law Enforcement Officers" on the MCOLES Web site: <http://mi.gov/mcoles>

Applying for Admission to the Program

Students must have a minimum of 45 college credits prior to admission to the Police Academy. Students are admitted to the program based on the priorities established by the Michigan Commission on Law Enforcement Standards (MCOLES).

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
CJT 229A	Law Enforcement Training Part I	12
CJT 229B	Law Enforcement Training Part II	7

Powertrain Development Tech/WSU Elect, Electomech or Mech Engineer Tech BS (APPDT11A3)**Description**

This program is designed for students who are interested in earning a Bachelor of Science degree in Engineering Technology at Wayne State University. Students may choose from one of three engineering technology degrees at WSU: Mechanical, Electrical/Electronic or Electromechanical. Engineering technologists (ET) create the objects we depend on, from smartphones to suspension bridges and everything in between. They can apply their abilities in using technical equipment, selling technical products, supervising construction projects and manufacturing processes, and more. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, BS degree

For the entire list of articulation agreements: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Requirements**

Class	Title	Minimum Credits
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Complete a maximum of seventy-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	76
Complete a minimum of forty-eight credits at Wayne State University as outlined on the Articulation Agreement.	0

Powertrain Development Technician (APPDT)

Description

In this program, students will develop the knowledge and skills to perform in-car powertrain testing in unique testing environments. Jobs in this area require knowledge of automotive engine and electrical systems and experience with an automotive dynamometer. Students will learn about dynamometer setup and testing including the operation of complex analytical test equipment and test software.

Requirements

First Semester

Class	Title	Minimum Credits
ABR 114	Applied Auto Body Welding	2
ASV 130	Automotive Maintenance	4
ASV 131	Automotive Electrical	4
Elective	Writing Elective(s)	3
Elective	Nat. Sci. Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ABR 140	Aluminum Welding for Automotive Applications	4
ASV 132	Automotive Engines	4
ASV 256	Electrical and Electronic Systems	4
Elective	Math Elective(s)	4

Third Semester

Class	Title	Minimum Credits
ASV 277	Automotive Powertrain Systems	4
MST 230	Advanced Motorcycle Fabrication	3
Elective	Restricted Electives: ABR 111, ASV 135, ASV 174, ASV 257, ASV 266, ASV 274, CSS 200, CSS 205, CST 185, MST 110	2
Elective	Speech/Comp. Elective(s)	3
Elective	Arts/Human. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
ASV 279	Automotive Dynamometer and Test	4
MST 220	Dynamometer Operations	4
Elective	Restricted Electives: ABR 111, ASV 135, ASV 174, ASV 257, ASV 266, ASV 274, CSS 200, CSS 205, CST 185, MST 110	4
Elective	Soc. Sci. Elective(s)	3

Footnotes

Students may elect to take optional courses in Semester 5 to meet MTA. Please refer to the WCC MTA Transfer Agreement web page <https://www.wccnet.edu/learn/transfer-wcc-credits/mta.php> for more information.

Accurate as of 05/19/2022 Information is subject to change without notice.

Powertrain Development Technician/EMU Technology Management BS (APPDT0107)

Description

The Technology Management degree program at Eastern Michigan University is designed for transfer students with an associate of applied science degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/appdt01o7>

For the entire list of articulation agreements:
<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Pre-Engineering Science Transfer (ASPET)

Description

This program addresses the increasing need of students pursuing STEM fields, specifically engineering. Students in this program will have their coursework pre-planned with specific courses laying the groundwork for successful transfer to a four year engineering program.

Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Admissions Requirements

- Students below Math Level 7 will need to take prerequisite courses.
- Students may need additional prerequisite coursework for CEM and PHY courses.

Requirements

First Semester

Class	Title	Minimum Credits
CEM 111	General Chemistry I	4
ENG 111	Composition I	4
MTH 191	Calculus I*	5
	Soc. Sci. 1 Elective(s)	3

Second Semester

Class	Title	Minimum Credits
CEM 122	General Chemistry II	4
ENG 226	Composition II	3
MTH 192	Calculus II	4
	Arts/Human. 1 Elective(s)	3

Third Semester

Class	Title	Minimum Credits
CPS 141 or CPS 171	Introduction to Programming Using Python Introduction to Programming with C++	4
PHY 211	Analytical Physics I**	5
	Restricted Math Elective 1***	4
	Soc. Sci. 2 Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
COM 101	Fundamentals of Speaking	3
PHY 222	Analytical Physics II	5
	Restricted Math Elective 2***	4
	Arts/Human. 2 Elective(s)	3

Footnotes

*Students below Math Level 7 will need to take prerequisite courses.

**Students who have not completed a year of high school physics will need to complete PHY 111.

***Math restricted elective select two from: MTH 197, MTH 293, MTH 295.

Accurate as of 05/19/2022 Information is subject to change without notice.

Principles of Cybersecurity (CVSCSP)

Description

This program is designed to meet the emerging demand for highly skilled cybersecurity professionals within the information technology industry and business community. This certificate program provides an in-depth examination of cybersecurity technology with an emphasis on executing a vulnerability analysis of an organization network and network hardening. The student will be trained to use various tools to analyze networks for vulnerabilities and secure networks through the application of various defense mechanisms including firewalls, intrusion detection and Virtual Private Networks (VPN).

Admissions Requirements

Completion of the Computer Networking Academy Certificate or industry experience with Linux, Windows, working at the command line of any operating system and networking.

Applying for Admission to the Program

In order to meet the requirements of the market for jobs in network security, students should have professional or educational experience in network and system administration.

Continuing Eligibility

Students must maintain a grade of "C" or better in the program requirements.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
CSS 205	Introduction to Network Security - Security+	4
CSS 210	Essentials of Network Penetration Testing	4
CSS 295	Network Perimeter Protection - CCNA Security	4
	Cybersecurity Industry Certification Preparation	1

Program in Java (CVJVR)

Description

This program is intended for students who need to acquire skills in the Java programming language. The program also gives students skills that can be applied to the related jobs of programmer/analyst.

Admissions Requirements

Prior programming experience is recommended. Students who have no programming experience should consider taking CPS 120.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
CPS 161	An Introduction to Programming with Java	4
CPS 261	Advanced Java Concepts	4
	Select two of the following courses: CPS 251, CPS 276, CPS 278 or CPS 298	8

Radiography (APRAD)

Description

This program prepares students for a career in diagnostic radiology as a radiographer. A radiographer is a technologist who produces images of the human body to aid physicians in the diagnosis and treatment of injuries and diseases. The program curriculum includes a series of courses offered in conjunction with individualized laboratory work and an extensive clinical experience in local hospitals. Upon completion of the program, the student will receive an Associate in Applied Science Degree*** in Radiography and is eligible to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). Radiographers work in a variety of settings including hospitals, clinics, doctors' offices and industry.

The program is accredited by the Joint Review Committee on Education in Radiologic Technology

<http://www.jrcert.org/>

20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901, (312)704-5300.

For more detailed information regarding the Radiography Program, please visit the radiography web page at <https://www.wccnet.edu/learn/departments/ahd/radiography/>.

Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Washtenaw Community College uses a competitive admission process for high demand programs in health care. Each year, approximately 32 students are accepted to the program for a Spring/Summer semester start. There are multiple requirements that must be completed prior to submitting an application for admission. This is a full-time program; no part-time option is available. For detailed information regarding admission to this health care program, please visit our Health Care website at <https://www.wccnet.edu/learn/departments/alhd/>.

Prerequisite and program requirements along with WCC's point system and scales are reviewed annually and subject to change. Students are expected to meet the prerequisite and program requirements of the catalog term for the semester in which they first begin the program. Details regarding WCC's Admission to High Demand Programs policy including priority levels are on WCC's Board of Trustees policy page: <https://www.wccnet.edu/trustees/policies/2005/>. Details regarding WCC's point scales that are used to calculate points are on WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/>.

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite courses:
 - a. MTH 125, MTH 160 or MTH 176 or a math course numbered 176 or higher with a minimum grade of C/2.0.
 - b. HSC 101 or HSC 124 with a minimum grade of B-/2.7.
 - c. BIO 109 or BIO 111 with a minimum grade of C+/2.3.
 - d. RAD 100 with a minimum grade of B-/2.7.
3. Signed Abilities Statement (refer to the admission packet). WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to this program.
4. Residency verification.

Applying for Admission to the Program

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Student Welcome Center, Health and Second Tier Program, information page <https://www.wccnet.edu/start-now/degree/2nd-tier/>. Completed and signed applications must be submitted during the dates indicated on the application to the Health and Second Tier Admissions Office in the Student Welcome Center, located on the second floor of the Student Center Building.

Requirement After Acceptance

Upon notification of acceptance to the program, students must purchase an account from a college-designated vendor to obtain a criminal background check. Specific information on the college-designator vendor, health records and deadline dates will be included in the program acceptance letter and/or provided at the mandatory orientation session.

Continuing Eligibility

1. Additional criminal background checks may be conducted at any time during the program. Students may be required to have drug testing as well as additional criminal background checks and/or fingerprinting prior to the start of a clinical sequence as requested by specific clinical facilities. Failure to receive an acceptable drug test and/or criminal background/fingerprinting check at any time, will result in dismissal from the program unless the student has documentation from ARRT of their eligibility to take the certification exam.
2. Students will be required to attend a hospital orientation session prior to starting their clinical rotation.
3. Students will be required to submit health records annually while in the program and must complete any other health requirements as designated by the clinical sites.
4. Students will be required to purchase special uniforms and supplies throughout the duration of the program.
5. Students are required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program. Failure to demonstrate continued competency will result in dismissal from the program.
6. All Radiography (RAD) courses must be completed with a minimum grade of C-/1.7 and all support courses to the program must be completed with a minimum grade of C/2.0 unless otherwise specified.
7. Students must have reliable transportation to clinical education sites which may require a commute of up to one hour.
8. Students who are dismissed from the program may not be eligible to reapply to the program.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
BIO 109 or BIO 111	Essentials of Human Anatomy and Physiology* Anatomy and Physiology - Normal Structure and Function*	4
HSC 101 or HSC 124	Healthcare Terminology* Medical Terminology*	1
MTH 125 or MTH 160 or MTH 176 or	Everyday College Math* Basic Statistics* College Algebra*	3
RAD 100	Any Math Level 4 or Higher Course* Introduction to Diagnostic Imaging*	2

Semester 1 (Spring/Summer)

Class	Title	Minimum Credits
ENG 111	Composition I**	4
RAD 101	Methods in Patient Care	1
RAD 103	Medical Professionalism in Clinical Radiography	1
RAD 111	Fundamentals of Radiography	2

Semester 2 (Fall)

Class	Title	Minimum Credits
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COM 101 or COM 102	Fundamentals of Speaking**	3
RAD 110	Interpersonal Communication**	2
RAD 112	Clinical Education	2
RAD 124	Radiographic Positioning I	2
RAD 125	Principles of Radiographic Exposure	2
	Radiographic Procedures and Related Anatomy	3

Semester 3 (Winter)

Class	Title	Minimum Credits
	Social and Behavioral Science Elective (PSY 100 or SOC 100)**	3
RAD 120	Clinical Education	2
RAD 123	Radiographic Positioning II	2
RAD 215	Radiography of the Skull	2

Semester 4 (Spring/Summer)

Class	Title	Minimum Credits
RAD 150	Clinical Education	3
RAD 218	Radiation Biology and Protection	3

Semester 5 (Fall)

Class	Title	Minimum Credits
RAD 190	Physical Foundations of Radiography	3
RAD 217	Clinical Education	3
RAD 222	Pharmacology in Diagnostic Imaging	2
RAD 235	Pathology for Radiographers	3

Semester 6 (Winter)

Class	Title	Minimum Credits
PHL 244	Ethical and Legal Issues in Health Care	3
RAD 223	Sectional Anatomy	2
RAD 225	Clinical Education	3
RAD 232	Digital Imaging in Radiography	2

Semester 7 (Spring/Summer)

Class	Title	Minimum Credits
RAD 240	Clinical Education	2

Footnotes

*These courses must be taken before being admitted to the program.

**These courses may be taken before admissions to the Radiography program. (It is strongly advised that students complete the general education courses before entering the Radiography program.) Students can transfer or substitute equivalent general education courses required for the Radiography program. Contact the program advisor for approval.

***Students who are planning to transfer to a 4-year university should follow the Michigan Transfer Agreement (MTA). See an academic advisor for more information.

Accurate as of 05/19/2022 Information is subject to change without notice.

Radiography/EMU Health Administration BS (APRAD01R1)**Description**

This program prepares students for transfer to a bachelor's of science degree program in health administration at Eastern Michigan University. Students are trained for health administration jobs in nursing homes, home health agencies, outpatient facilities, hospitals, public health agencies, health maintenance organizations and many other health care settings. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Health Administration BS

<https://www.wccnet.edu/webfiles/curriculum-assessment/web/articulation-agreements/college-articulation/emu-health-administration-bs-approved-health-programs.pdf>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
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Complete a maximum of seventy-eight credits at Washtenaw Community College as outlined on the Articulation Agreement.	78
Complete a minimum of forty-six credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Radiography/EMU Technology Management BS (APRAD01R2)

Description

This program is designed for students who are interested in Eastern Michigan University's Technology Management degree program. The curriculum provides the necessary foundation to meet the changing needs of management in the health field. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/aprad01r2>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Retail Management (APRM)

Description

This program emphasizes both the theoretical knowledge and the practical skills needed to succeed in both customer-facing and behind-the-scenes jobs in any type of retail setting. The curriculum was developed with input from industry experts and topics include the role of retailing in the supply chain, retailing formats and locations, organizational structure and key positions, growth and expansion, consumer communication, and brands and private labels. Student also learn about productivity, operational and financial measures, purchasing and inventory control, pricing schemes, and merchandise layout and presentation.

Students will take restricted electives toward completing a certificate as part of the program requirement in one of the following areas (9-16 credits): Accounting for Business Certificate, Human Resource Management (HRM) Certificate, Business Sales and Marketing Certificate, Entrepreneurship and Innovation Certificate, Management Advanced Certificate or a Certificate or Degree in any occupational/technical area.

Articulation

Eastern Michigan University, BS and BBA degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements

First Semester

Class	Title	Minimum Credits
BMG 205	Creating the Customer Experience	3
BMG 206	Retail Principles and Practices	3
ENG 111	Composition I	4
Elective	Soc. Sci. Elective(s) 1	3
	Restricted Elective(s) 1: Choose a course toward completion of selected certificate.	3

Second Semester

Class	Title	Minimum Credits
BMG 228	Purchasing and Inventory Control	3
Elective	Nat. Sci. Elective(s)	3
MTH 125 or MTH 160 or	Everyday College Math Basic Statistics	

Elective	Math Elective(s) Any math level 4 or higher course	3
COM 101 or	Fundamentals of Speaking	
COM 102	Interpersonal Communication	3
	Restricted Elective(s) 2: Choose a course toward completion of selected certificate.	3

Third Semester

Class	Title	Minimum Credits
BMG 273	Managing Operations	3
BMG 275	Business and Supply Chain Analytics	4
Elective	Soc. Sci. Elective(s) 2	3
Elective	Arts/Human. Elective(s) 1	3
	Restricted Elective(s) 3: Choose a course toward completion of selected certificate.	3

Fourth Semester

Class	Title	Minimum Credits
BMG 230	Principles of Management	3
BMG 295	Supply Chain Field Studies	2
Elective	Nat. Sci. Lab Elective(s)	3
Elective	Arts/Human. Elective(s) 2	3
	Restricted Elective(s) 4 0-7 credits: Choose course(s) toward completion of selected certificate as needed.	
Elective	MTA Elective(s) (0-2 credits) to reach minimum 30 MTA credits	2

Retail Management/EMU BBA with any Business Major (APRM01B9)**Description**

This program prepares students for transfer to a bachelor of business administration degree program at Eastern Michigan University, where they will further improve their communication and interpersonal skills while developing a specialty in accounting, economics, finance, management, or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Business Major (approved) BBA

<https://www.wccnet.edu/articulation/aprm01b9>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-two credits at Washtenaw Community College as outlined on the Articulation Agreement.	82
	Complete a minimum of forty-two credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Retail and Business Operations (CTRBUS)**Description**

It takes a large number of people working in customer-facing roles as well as behind-the-scenes in a retail operation to keep employees, customers and investors happy. Students who complete this certificate will be knowledgeable, capable and enthusiastic employees who can procure, display and deliver products and services to customers profitable in a retail setting. Students will gain the skills and expertise needed to manage retail projects as well as make and communicate decisions related to human resources, profits, productivity and processes when managing the operations aspect of a business unit.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BMG 205	Creating the Customer Experience	3
BMG 206	Retail Principles and Practices	3
BMG 228	Purchasing and Inventory Control	3
BMG 273	Managing Operations	3
BMG 275	Business and Supply Chain Analytics	4

Robotics Technician (CTROBT)**Description**

The Robotics Technician certificate is a starting point for those with the desire to enter the field of automation and robotics. Students will learn how robots are programmed and wired into larger systems. Technicians work in industrial settings to operate, maintain, and program robots.

Students with technology interests who enjoy working with their hands like gaming, manipulating code, robotics, 3D printing are suited for this line of work.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
ELE 111	Electrical Fundamentals	4
ELE 224	Programmable Controllers (PLCs) I	4
MEC 101	Blueprint Reading for Manufacturing	2
ROB 101	Robotics I - I	2
ROB 110	Robotics I - II	2
ROB 212	Robotics II	4

Secondary Education (AASECO)**Description**

This program prepares students for transfer into a bachelor's degree program in secondary education at a four-year college or university. The program covers the first two years of instruction, including the general education courses, used by most secondary education programs in Michigan, which prepare students for the state-mandated basic skills tests. Requirements may vary among colleges. Students should obtain the current curriculum from the college to which they are transferring and talk to an undergraduate advisor early in their studies. Curriculum and admission requirements are available on most colleges' Web sites.

Articulation

Eastern Michigan University, BA or BS degree

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Continuing Eligibility

Admission requirements for bachelor's degree teacher education programs may vary among colleges. Most require a minimum grade point average of 2.0 for courses to transfer as well as a minimum of 56 to 60 college credits completed and successful completion of the state-mandated basic skills test before applying for admission to the program.

Requirements**First Semester**

Class	Title	Minimum Credits
COM 101	Fundamentals of Speaking	3
ENG 111	Composition I	4
ENG 181 or ENG 214 or ENG 242	African-American Literature Literature of the Non-Western World Diverse Children's Literature	3 3 3
	Nat. Sci. Elective(s)	3
	Complete a minimum of 3 credits in your major or minor area.*	3

Second Semester

Class	Title	Minimum Credits
	Arts/Human. Elective(s)**	3
	Math Elective(s)	3
PSY 100	Introduction to Psychology	3
	Complete a minimum of 3 credits in a major or minor area.*	3

Third Semester

Class	Title	Minimum Credits
PSY 251	Education of Exceptional Children	3
	Nat. Sci. Lab Elective(s)	4
	Complete a minimum of 9 credits in major or minor area.*	9

Fourth Semester

Class	Title	Minimum Credits
PSY 220	Human Development and Learning	4
	Social and Behavioral Science Restricted Elective:	3
	Choose one HST 121, HST 122, HST 123, HST 201 or HST 202	
	Complete a minimum of 6 credits in a major or minor area.*	6
	Elective(s) to reach a minimum 60 credits.	3

Footnotes

A course counted for general education or program requirements may not also be counted for a major/minor area.

*See an advisor to select courses that will meet the requirements of the college to which you are transferring.

**Students following the Michigan Transfer Agreement (MTA) should select their second Arts and Humanities course from any on the approved MTA list except ENG, GDT 101 and PHO 103.

Accurate as of 05/19/2022 Information is subject to change without notice.

Server-side Web Developer (CTWBSD)**Description**

This program is designed for students interested in employment as Server-side Web Developers. Students will create standards-compliant, accessible and usable Web interfaces that meet both user and client needs.

Articulation

Eastern Michigan University, several BS degrees.

Admissions Requirements

College-level reading and writing

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
CPS 276	Web Programming Using PHP and MySQL	4
WEB 230	Advanced JavaScript	4
Elective	Any WEB, CIS or CPS course	3-4

Sports and Entertainment Management (CTSEM)**Description**

In this program, students will focus on the unique sports and entertainment management industries. They will be introduced to the variety of sports and entertainment employment opportunities such as ticket sales, event management or representing a professional athlete or team. Students will develop analytical, critical thinking, and problem-solving skills that sports and entertainment industry employers are looking for. Innovative instruction from professionals and collaborative learning will enhance their experience.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BMG 163	Introduction to Esports	3
BMG 165	Introduction to Sports and Entertainment Management	3
BMG 166	Sports and Entertainment Communications and Public Relations	3
BMG 168	Facilities and Event Management	3
BMG 169	Sports and Entertainment Marketing	3
BMG 230	Principles of Management	3

Sterile Processing (CTSPTF)**Description**

This certificate program prepares students for an occupation in central processing and sterilization of hospital instrumentation, supplies, and equipment. Students will apply theories and practices of central service departments contained in hospitals, ambulatory surgery centers, or clinics. The courses provide

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the fundamentals of central processing, supply and distribution, and provide instruction and practice in aseptic technique. Upon successful completion of this program, the student earns a certificate and may be eligible to sit for the International Association of Healthcare Central Service Material Management National Certifying Examination.

Admissions Requirements

Eligibility requirements that must be met prior to beginning SUR 101:

- Attendance at course orientation
- Successful background check per explanation at orientation

Continuing Eligibility

Eligibility requirements that must be met prior to beginning SUR 108:

- Negative TB skin test
- Complete Health History Form (physical examination)
- Hepatitis immunization series or titers on file
- Health insurance
- Current BLS/CPR certification
- All Surgical Technology (SUR) courses must be completed with a minimum grade of C+/2.3
- Background check/drug screen/fingerprinting per policy of hospital

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
ACS 108	Critical Reading and Thinking*	4
HSC 131	CPR/AED and First Aid	1
SUR 101	Introduction to Sterile Processing	6
SUR 102	Introduction to Sterile Processing Equipment	2
SUR 108	Sterile Processing Clinical	2
SUR 109	Sterile Processing Seminar	1

Footnotes

*Students who have a reading and writing levels of 6 may substitute an alternative 4 credit hour course(s). Please see the list available from the program coordinator or advisor.

Accurate as of 05/19/2022 Information is subject to change without notice.

Supply Chain Essentials (CCSCE)

Description

This certificate of completion is designed for individuals working in the industry who are seeking advancement in their field. This program is embedded in the Supply Chain certificate and associate of applied science degree programs. Completion of the certificate program will prepare the student to take two industry approved certification exams. The exams are the Certified Logistics Association Certification (CLA) and the Certified Logistics Technician Certification (CLT).

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
BMG 181	Introduction to Supply Chain Management	3
BMG 182	Warehousing and Logistics	3

Supply Chain Management (APSCM)

Description

This program emphasizes both the theoretical knowledge and practical skills needed to succeed in both customer-facing and behind-the-scenes jobs in any type of logistics setting as products move from point-of-origin to point-of consumption. The curriculum was developed with input from industry experts and topics include the supply chain ecosystem, warehousing, operations, transportation, purchasing, reverse logistics, retail, inventory management, and analytics. Students also learn about supplier relationship management and leadership/management skills. As part of the program, students will be ready to take the tests needed to receive their CLA (Certified Logistics Associate) and CLT (Certified Logistics Technician) industry certification.

Articulation

Eastern Michigan University, BS and BBA degrees;
Wayne State University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**First Semester**

Class	Title	Minimum Credits
BMG 181	Introduction to Supply Chain Management	3
BMG 182	Warehousing and Logistics	3
BMG 205	Creating the Customer Experience	3
Elective	Soc. Sci. Elective(s) 1	3
Elective	Arts/Human. Elective(s) 1	3

Second Semester

Class	Title	Minimum Credits
BMG 206	Retail Principles and Practices	3
BMG 226	Transportation and Logistics	3
Elective	Nat. Sci. Elective(s)	3
MTH 125 or MTH 160 or Elective	Everyday College Math Basic Statistics Math Elective(s) Any math level 4 or higher course	3
COM 101 or COM 102	Fundamentals of Speaking Interpersonal Communication	3

Third Semester

Class	Title	Minimum Credits
BMG 228	Purchasing and Inventory Control	3
BMG 273	Managing Operations	3
BMG 275	Business and Supply Chain Analytics	4
Elective	Nat. Sci. Lab Elective(s)	3
Elective	MTA Elective(s) (0-2 credits) to reach minimum 30 MTA credits	2

Fourth Semester

Class	Title	Minimum Credits
BMG 230	Principles of Management	3
BMG 295	Supply Chain Field Studies	2
Elective	Soc. Sci. Elective(s) 2	3
ENG 111	Composition I	4
Elective	Arts/Human. Elective(s) 2	3

Supply Chain Management/EMU Business Administration BBA (APSCM01B4)**Description**

This program prepares students for transfer to a bachelor's of business administration degree program at a Eastern Michigan University, where they will further improve their communication and interpersonal skills while developing a specialty in business. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Business Major (approved) BBA

<https://www.wccnet.edu/articulation/apscm01b4>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-two credits at Washtenaw Community College as outlined on the Articulation Agreement.	82
	Complete a minimum of forty-two credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Supply Chain Management/Wayne State Multiple Business Degrees BS (APSCM11B3)**Description**

This program prepares students for transfer to a bachelor's of science degree program in Business Administration at Wayne State University, where they will further improve their communication and interpersonal skills while developing a specialty in accounting, finance, management, marketing, global supply chain management or some other aspect of business. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, Business Administration BS

<https://www.wccnet.edu/articulation/apscm11b3>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-two credits at Washtenaw Community College as outlined on the Articulation Agreement.	82
	Complete a minimum of forty credits at Wayne State University as outlined on the Articulation Agreement.	0

Supply Chain Operations (CTSCO)**Description**

Students who complete this certificate will be knowledgeable, capable and enthusiastic employees who can effectively perform in a supply chain setting which involves coordinating suppliers, manufacturers, distributors and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion while maintaining the service level customers demand. As part of the program, students will be ready to take the tests needed to receive their CLA (Certified Logistics Associate) and CLT (Certified Logistics Technician) industry certifications.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
BMG 181	Introduction to Supply Chain Management	3
BMG 182	Warehousing and Logistics	3
BMG 226	Transportation and Logistics	3
BMG 228	Purchasing and Inventory Control	3
BMG 275	Business and Supply Chain Analytics	4

Surgical Technology (APST)**Description**

A surgical technologist (ST) serves the patient's interest primarily by providing assistance to the surgeon. The surgical technologist's primary task during an operative procedure is to anticipate the perioperative needs of the surgeon and surgical patient. Students in this program must be well grounded in the basic sciences, especially anatomy, microbiology, and pathophysiology. The surgical technologist contributes to global patient care by serving as a team member who monitors the surgical environment.

Admissions Requirements

Washtenaw Community College uses a competitive admission process for high demand programs in health care. Each year, approximately 20 students are accepted to the program for a Fall semester start. There are multiple requirements that must be completed prior to submitting an application for admission. This is a full-time program; no part-time option is available. For detailed information regarding admission to this health care program, please visit our Health Care website at <https://www.wccnet.edu/learn/departments/alhd/>.

Prerequisite and program requirements along with WCC's point system and scales are reviewed annually and subject to change. Students are expected to meet the prerequisite and program requirements of the catalog term for the semester in which they first begin the program. Details regarding WCC's Admission to High Demand Programs policy including priority levels are on WCC's Board of Trustees policy page: <https://www.wccnet.edu/trustees/policies/2005/>. Details regarding WCC's point scales that are used to calculate points are on WCC's Student Welcome Center, Health and Second Tier Program, information page: <https://www.wccnet.edu/start-now/degree/2nd-tier/>.

Requirements for application are:

1. Admission to WCC.
2. Program prerequisite courses:
 - a. MTH 125, MTH 160, MTH 176 or a math course numbered 176 or higher with a minimum grade of C/2.0.
 - b. HSC 101 or HSC 124 with a minimum grade of B-/2.7.

c. BIO 111 with a minimum grade of B-/2.7.

3. Signed Abilities Statement (in the admissions packet). WCC reserves the right to request, before and during the program, that students successfully demonstrate specific physical and cognitive abilities related to this program.

4. Students must possess a high school diploma or GED prior to clinical courses.

5. Students must be 18 years old prior to clinical courses.

6. Residency verification.

Applying for Admission to the Program

A formal application and acceptance to the program is required. Application packets may be downloaded from WCC's Student Welcome Center, Health and Second Tier Program, information page <https://www.wccnet.edu/start-now/degree/2nd-tier/> . Completed and signed applications must be submitted during the dates indicated on the application to the Health and Second Tier Admissions Office in the Student Welcome Center, located on the second floor of the Student Center Building.

Requirements After Acceptance

Upon acceptance, students must purchase an account from a college-designated vendor to obtain a criminal background check and to track their health records. The criminal background check and health records must be submitted to the designated vendor. Specific information regarding the college-designated vendor, health records, and deadline dates will be provided at the mandatory orientation session.

Continuing Eligibility

1. Additional background checks may be conducted at any time during the program. Students may be required to have drug testing as well as additional criminal background checks and/or fingerprinting prior to the start of a clinical sequence as requested by specific clinical facilities. Any student found to have a positive drug screen for drugs prohibited by State of Michigan or Federal law (including marijuana) or controlled substances will be dismissed from the program. Failure to receive an acceptable criminal background/fingerprinting at any time, will result in dismissal from the program.

2. Students will be required to attend a hospital orientation session prior to starting their clinical rotation.

3. Students will be required to submit health records annually while in the program and must complete any other health requirements as designated by the clinical sites.

4. Students will be required to purchase special uniforms and supplies throughout the duration of the program.

5. Students will be required to demonstrate that they have maintained competency in all skills taught throughout their progression through the program. Failure to demonstrate continued competency will result in dismissal from the program.

6. All Surgical Technology (SUR) courses must be completed with a minimum grade of C+/2.3 and all support courses to the program must be completed with a minimum grade of C/2.0 unless otherwise specified.

7. Students must have reliable transportation to clinical education sites, which may require a commute of up to one hour.

8. Students who are dismissed from the program may not be eligible to reapply to the program.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
BIO 111	Anatomy and Physiology - Normal Structure and Function	5
HSC 101 or HSC 124	Healthcare Terminology Medical Terminology	1
MTH 125 or MTH 160 or MTH 176 or	Everyday College Math Basic Statistics College Algebra	3
	Any Academic Math Level 4 or higher Math Course	3

Semester 1 (Fall)

Class	Title	Minimum Credits
SUR 101	Introduction to Sterile Processing	6
BIO 237	Microbiology	4
ENG 111	Composition I	4
COM 101 or COM 102	Fundamentals of Speaking Interpersonal Communication	3

Semester 2 (Winter)

Class	Title	Minimum Credits
SUR 110	Introduction to Surgical Technology/Surgical Patient	5
SUR 170	Surgical Pharmacology	2
SUR 180	Surgical Procedures I	3
SUR 181	Surgical Procedures I Lab	2

Semester 3 (Spring/Summer)

Class	Title	Minimum Credits
HSC 131	CPR/AED and First Aid	1
SUR 270	Biomedical Science and Minimally Invasive Surgery	2

Semester 4 (Fall)

Class	Title	Minimum Credits
SUR 210	Surgical Procedures II	3
SUR 211	Surgical Procedures II Lab	2
SUR 231	Clinical Education I	1
	Soc. Sci. Elective(s)	3

Elective(s) to reach a minimum 60 credits 1

Semester 5 (Winter)

Class	Title	Minimum Credits
SUR 241	Clinical Education II	4
SUR 250	Surgical Technology Seminar	3
PHL 244	Ethical and Legal Issues in Health Care	3

Technical Communication (CTTC)**Description**

As a fast-track program for career changers or a foundational program for first time professionals, this program provides the knowledge and skills necessary for writing end-user documentation such as printed manuals, online help systems and screencast training modules. Using tools of the technical communication profession, the student will develop skill in audience analysis; tutorial, procedure and reference guide writing; project management; document design; and usability testing. Designed to provide the student with practical and theoretical principles of technical communication, the program prepares students for employment in a wide variety of opportunities in the field. To this end, students will also learn how to conduct a formal job search and create professional portfolios to better compete for jobs. Those without previous college experience can use this certificate to seek work as interns and in co-op positions in technical communication while pursuing the Associate in Arts Degree in Technical Communication.

Admissions Requirements

Basic computer literacy.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
ENG 107	Technical Writing Fundamentals*	3
ENG 208	Technical Writing for Print Delivery	3
ENG 209	Technical Writing for Online Delivery	3
ENG 218	Technical Writing for eLearning	3
ENG 245	Job Search Success Seminar	2
Elective	Select one GDT course from the following: GDT 104, GDT 106, or GDT 108	3
Elective	Select one WEB course from the following: WEB 110, WEB 113 or WEB 115	3

Footnotes

*Students with equivalent coursework/experience are encouraged to contact the program advisor for appropriate course placement.

Accurate as of 05/19/2022 Information is subject to change without notice.

Technical Communication (AATCD)**Description**

In this program, students explore the technical communication process in detail and develop skills in audience analysis, project management, technical writing and editing, document design and usability testing. Using tools of the technical communication profession, students prepare content for print and online delivery, develop screencast training modules, learn how to conduct a formal job search and create professional portfolios to showcase their skills.

The Technical Communication Associate in Arts degree is designed for students transferring to a four-year university and seeking a Bachelor of Arts degree. The General Education requirements fulfill both Washtenaw Community College's requirements and the MTA Transfer requirements.

Admissions Requirements

Basic computer literacy.

Requirements**First Semester**

Class	Title	Minimum Credits
COM 101	Fundamentals of Speaking	3
ENG 107	Technical Writing Fundamentals	3
ENG 111	Composition I	4
Elective	Math Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ENG 208	Technical Writing for Print Delivery	3
ENG 226	Composition II	3

Elective	GDT Elective Select one course from the following: GDT 104, GDT 106 or GDT 108	3
Elective	Soc. Sci. Elective(s) 1*	3
Elective	Soc. Sci. Elective(s) 2*	3

Third Semester

Class	Title	Minimum Credits
ENG 209	Technical Writing for Online Delivery	3
Elective	Arts/Human. Elective(s) 1*	3
Elective	Nat. Sci. Elective(s)*	3
Elective	Restricted Elective(s)**	3
Elective	WEB Elective Select one course from the following: WEB 110, WEB 113 or WEB 115	3

Fourth Semester

Class	Title	Minimum Credits
ENG 218	Technical Writing for eLearning	3
ENG 245	Job Search Success Seminar	2
Elective	Arts/Human. Elective(s) 2*	3
Elective	Nat. Sci. Lab Elective(s)*	3
Elective	Restricted Elective(s)**	3
Elective	Elective(s) to reach minimum 60 credits	3

Footnotes

*If your course(s) exceeds the recommended credit hours, you will need to reduce the number of credits in the restricted electives. Students who plan to transfer to a 4-year university are encouraged to meet with the Technical Communication program advisor to select appropriate general education courses.
**JRN 210 is strongly recommended. Students must meet with the Technical Communication program advisor to select additional elective courses.

Accurate as of 05/19/2022 Information is subject to change without notice.

Technical Communication/EMU Technology Management BS (AATCD0109)**Description**

The Technology Management degree program at Eastern Michigan University is designed for transfer students with an associate's degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/aatcd0109>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	

Transport Tech-Auto Service/WSU Elect, Electromech or Mech Engineer Tech BS (APOETT11A1)**Description**

This program is designed for students who are interested in earning a Bachelor of Science degree in Engineering Technology at Wayne State University. Students may choose from one of three engineering technology degrees at WSU: Mechanical, Electrical/Electronic or Electromechanical. Engineering technologists (ET) create the objects we depend on, from smartphones to suspension bridges and everything in between. They can apply their abilities in using technical equipment, selling technical products, supervising construction projects and manufacturing processes, and more. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, BS degree

For the entire list of articulation agreements: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of seventy-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	76
	Complete a minimum of forty-eight credits at Wayne State University as outlined on the Articulation Agreement.	0

Transportation Technologies (APOETT)

Description

In this AAS degree, students have a choice to follow any of three different specialty tracks that will prepare them for employment in the transportation industry. This option can be selected if an associate's degree is required for employment or advancement in a field. Each track features a variety of application level classes where students perform lab-oriented practice for the required skills in the automotive service related, auto body repair or motorcycle service fields. Students will learn using the latest technology, methods and tooling in their area of concentration.

Students will select a specialized track in one of the following areas, each of which has its own associated certificated program(s): Auto Service, Auto Body or Motorcycle Service. The program prepares the student for the State of Michigan Mechanics Certification tests as well as the National Institute for Automotive Service Excellence (ASE) Certification Exams. Meet with a divisional advisor or faculty.

Admissions Requirements

Academic Reading and Writing Levels of 6; Academic Math Level 3

Requirements

First Semester

Class	Title	Minimum Credits
ABR 111	Introduction to Auto Body Repair	4
ABR 112	Introduction to Automotive Refinishing	4
ABR 114	Applied Auto Body Welding	2
ABR 119	The Art of Metal Shaping	2
Elective	Writing Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ABR 123	Technical Auto Body Repair	4
ABR 124	Technical Automotive Refinishing	4
ABR 140	Aluminum Welding for Automotive Applications	4
Elective	Speech/Comp. Elective(s)	3
Elective	Math Elective(s)	3

Third Semester

Class	Title	Minimum Credits
ASV 130	Automotive Maintenance	4
Elective	Restricted Elective(s): ABR 116, ABR 130, ABR 209, ABR 231, ASV 131, MST 106, MST 230	4
Elective	Soc. Sci. Elective(s)	3
Elective	Arts/Human. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
ABR 113	Estimating and Shop Operations	4
ABR 201	Lightweighting Composite Repair	4
Elective	Restricted Elective(s): ABR 116, ABR 130, ABR 209, ABR 231, ASV 131, MST 106, MST 230	4
Elective	Nat. Sci. Elective(s)	3

First Semester

Class	Title	Minimum Credits
ABR 114	Applied Auto Body Welding	2
ASV 130	Automotive Maintenance	4
ASV 131	Automotive Electrical	4
Elective	Writing Elective(s)	3
Elective	Math Elective(s)	3

Second Semester

Class	Title	Minimum Credits
ABR 140	Aluminum Welding for Automotive Applications	4
ASV 132	Automotive Engines	4
ASV 133	Automotive Fuel Systems	4
ASV 134	Automotive Transmissions	4
Elective	Restricted Elective(s): ABR 111, ASV 135, ASV 174, ASV 257, ASV 266, ASV 274, ASV 277, ASV 279, CSS 200, CSS 205, CSS 285, CST 185, MST 110	2

Third Semester

Class	Title	Minimum Credits
ASV 251	Engine Diagnosis and Repair	2
ASV 254	Suspension and Steering	2
ASV 256	Electrical and Electronic Systems	4
Elective	Speech/Comp. Elective(s)	3
Elective	Arts/Human. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
ASV 255	Brakes	2
ASV 258	Engine Drivability	2
ASV 266	Advanced Transmissions	2
Elective	Restricted Elective(s): ABR 111, ASV 135, ASV 174, ASV 257, ASV 266, ASV 274, ASV 277, ASV 279, CSS 200, CSS 205, CSS 285, CST 185, MST 110	2
Elective	Nat. Sci. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3

First Semester

Class	Title	Minimum Credits
ABR 114	Applied Auto Body Welding	2
MST 110	Motorcycle Service Technology I	4
Elective	Restricted Elective(s): ABR 119, ABR 201, ABR 209, ASV 130, MST 106, MST 112, MST 235	4
Elective	Writing Elective(s)	3
Elective	Math Elective(s)	3

Second Semester

Class	Title	Minimum Credits
MST 120	Motorcycle Service Technology II	4
MST 130	Motorcycle Service Technology III	4
MST 230	Advanced Motorcycle Fabrication	3
Elective	Nat. Sci. Elective(s)	3

Third Semester

Class	Title	Minimum Credits
MST 140	Motorcycle Service Technology IV	4
MST 220	Dynamometer Operations	4
Elective	Restricted Elective(s): ABR 119, ABR 201, ABR 209, ASV 130, MST 106, MST 112, MST 235	2
Elective	Speech/Comp. Elective(s)	3
Elective	Arts/Human. Elective(s)	3

Fourth Semester

Class	Title	Minimum Credits
ABR 140	Aluminum Welding for Automotive Applications	4
MST 210	Performance Engine Technology	4
MST 225	Advanced Dynamometer Tuning Systems	4
Elective	Soc. Sci. Elective(s)	3

Transportation Technologies/EMU Technology Management BS (APOETT0108)**Description**

The Technology Management degree program at Eastern Michigan University is designed for transfer students with an associate of applied science degree. The interdisciplinary curriculum provides the necessary foundation to meet the changing needs of management and leadership in a variety of fields. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/apoett01o8>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

User Experience Designer (CTWUED)**Description**

This program is designed for students interested in employment as a User Experience professional. Students will create industry-standard information architecture, interaction design, information design and human-computer interaction deliverables.

Articulation

Eastern Michigan University, several BS degrees.

Admissions Requirements

College-level reading and writing

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
WEB 113	Web User Experience I	4
WEB 213	Web User Experience II	4
Elective	Any WEB or GDT course	3-4

Web Database Programming Professional (CVWDPP)**Description**

This program focuses on the development of web databases and e-commerce applications. The coursework emphasizes server-side programming and is intended for students with strong programming background. Students will be exposed to a professional team programming exercise. If a student needs exposure to front-end web development, a certificate in the Web Design and Development discipline should be considered.

Admissions Requirements

Completion of CPS 161 or CPS 171 with a minimum grade of "B-" or instructor consent.

Applying for Admission to the Program

Academic Math Level 4 is required to enroll in CPS 161.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
CPS 276	Web Programming Using PHP and MySQL	4
CPS 278	Java Spring Framework	4
CPS 298	Professional Team Programming	4
CIS 282 or WEB 230	Database Principles and Application*	3-4
	Advanced JavaScript	3-4
	Elective(s) Any 100-level or above course to bring the total credits to a minimum of 16.*	1

Footnotes

*Students who select CIS 282 must take one (1) additional credit to reach 16 credits.

Accurate as of 05/19/2022. Information is subject to change without notice.

Web Design and Development (APWDDD)**Description**

This degree prepares you for the multi-faceted industry of Web design and development. The content in Web coding, Web programming, Web design, user experience and digital strategy provide a rich variety of classes that prepare you to enter the Web industry with a range of skills and knowledge. By focusing on one or more areas in the degree, you will gain skills that translate to marketable skills and career paths. Completion of one of the following certificates is required to complete this degree.

Client-side Web Developer Certificate

WEB 110 Web Development I

WEB 210 Web Development II

Any WEB, CIS or CPS course

Interface Designer Certificate

WEB 115 Interface Design I

WEB 215 Interface Design II

Any WEB or GDT course

User Experience Designer Certificate

WEB 113 Web User Experience I

WEB 213 Web User Experience II

Any WEB or GDT course

Server-side Web Developer Certificate

CPS 276 Web Programming Using Apache, MySQL, and PHP

WEB 230 Advanced JavaScript

Any WEB, CIS or CPS course

Digital Strategist Certificate

BMG 155 Business on the Internet

WEB 133 Digital Strategy

WEB 163 User Research and Project Management

Articulation

Eastern Michigan University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Continuing Eligibility

For successful continuation in the program, a minimum grade of "C" is required for all WEB courses.

Requirements**First Semester**

Class	Title	Minimum Credits
	Certificate Course 1	4
Elective	Writing Elective(s)	3
Elective	Arts/Human. Elective(s)	3
Elective	Restricted Elective(s) 1 - Choose from any of the following disciplines: ANI, CIS, CPS, ENG 107, ENG 209, GDT, PHO, WEB.	4
Elective	Open Elective(s)	3-4

Second Semester

Class	Title	Minimum Credits
	Certificate Course 2	4
Elective	Math Elective(s)	3
Elective	Soc. Sci. Elective(s)	3
Elective	Restricted Elective(s) 2 - Choose from any of the following disciplines: ANI, CIS, CPS, ENG 107, ENG 209, GDT, PHO, WEB.	4

Third Semester

Class	Title	Minimum Credits
	Certificate Course 3	3-4
Elective	Nat. Sci. Elective(s)	3

Elective	Restricted Elective(s) 3 - Choose from any of the following disciplines: ANI, CIS, CPS, ENG 107, ENG 209, GDT, PHO, WEB.	4
Elective	WEB Elective(s): Complete a course that is not in your chosen certificate.	4

Fourth Semester

Class	Title	Minimum Credits
COM 101	Fundamentals of Speaking	3
Elective	Restricted Elective(s) 4 - Choose from any of the following disciplines: ANI, CIS, CPS, ENG 107, ENG 209, GDT, PHO, WEB.	4
Elective	WEB Elective(s): Complete a course that is not in your chosen certificate.	4
Elective	Open Elective(s) to reach a minimum of 60 credits.	4

Web Design and Development/EMU Communication Technology BS (APWDDD01V1)**Description**

This program prepares students for transfer to a bachelor's of communication technology degree program at Eastern Michigan University, where they will further their web design or development coursework. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Communication Technology, BS

<https://www.wccnet.edu/articulation/apwddd01v1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of eighty-six credits at Washtenaw Community College as outlined on the Articulation Agreement.	86
	Complete a minimum of thirty-eight credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Welding Technology (APWLDF)**Description**

The Welding Technology program offers specialized welding and fabrication instruction through theoretical, practical and technical learning objectives and strategies. The core curriculum specializes in welding and fabrication and delves into the expanses of welding technology as a whole. Students are first introduced to welding, cutting and fabrication safety; theory and fundamentals; and then transition to more advanced welding and fabrication processes and application, such as weld quality, inspection testing and repair techniques and automated welding and cutting systems and operations. Students who successfully complete this program will have learned a diverse skillset giving them opportunities to enter the workforce as entry-level welders, fabricators, field technicians and positions them for higher learning in welding engineering, welding education or materials science.

Articulation

Eastern Michigan University, several BS degrees;
 Pennsylvania College of Technology, BS degree;
 Wayne State University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**First Semester**

Class	Title	Minimum Credits
Elective	Math Elective(s)	3
NCT 120	Introduction to 2D CAD CAM Programming and Applications	2
WAF 106	Welding Print Reading	3
WAF 109	Welding Safety and OSHA Regulations	2
WAF 125	Introduction to Welding Processes I	2

WAF 126	Introduction to Welding Processes II	2
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Second Semester

Class	Title	Minimum Credits
WAF 130	Shielded Metal Arc Welding (SMAW)	4
WAF 131	Thermal Cutting, Gouging and Weld Repair	3
WAF 139	Basic Metal Fabrication	3
WAF 140	Inspection and Testing	3

Third Semester

Class	Title	Minimum Credits
Elective	Writing Elective(s)	3
WAF 230	Advanced Shielded Metal Arc Welding (SMAW)	4
WAF 231	Gas Tungsten Arc Welding (GTAW)	4
WAF 232	Semi-Automatic Welding Processes	4

Fourth Semester

Class	Title	Minimum Credits
Elective	Speech/Comp. Elective(s)	3
WAF 150	Automated Welding and Cutting	3
WAF 210	Welding Metallurgy	3
WAF 233	Submerged Arc and Flux Core Arc Welding	3

Fifth Semester

Class	Title	Minimum Credits
Elective	Arts/Human. Elective(s)	3
Elective	Nat. Sci. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3
WAF 239	Advanced Metal Fabrication	3

Welding Technology/EMU Technology Management BS (APWLDF01W4)**Description**

This program prepares students to transfer to a bachelor of science program in Technology Management at Eastern Michigan University. Students will apply welding skills to the industrial and technical environments. Students should check with an advisor for information on transferring.

Articulation

Eastern Michigan University, Technology Management BS

<https://www.wccnet.edu/articulation/apwldf01w4>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php> .

Requirements**Requirements**

Class	Title	Minimum Credits
	Complete a maximum of ninety-four credits at Washtenaw Community College as outlined on the Articulation Agreement.	94
	Complete a minimum of thirty credits at Eastern Michigan University as outlined on the Articulation Agreement.	0

Welding Technology/Wayne State Welding Metallurgical Engineering Tech BS (APWLDF11W1)**Description**

This program prepares students to transfer to a bachelor of science program in Metallurgical Engineering Technology at Wayne State University. Engineering technologists are hands-on, building and implementing new technologies in testing labs and in the field. They can apply their abilities in using technical equipment, selling technical products, serving as manufacturers' technical representatives, supervising construction projects and manufacturing processing, and more. Students should check with an advisor for information on transferring.

Articulation

Wayne State University, Welding and Metallurgical Engineering Technology BS

<https://www.wccnet.edu/articulation/apwldf11w1>

For the entire list of articulation agreements:

<https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements

Requirements

Class	Title	Minimum Credits
	Complete a maximum of eighty-seven credits at Washtenaw Community College as outlined on the Articulation Agreement.	87
	Complete a minimum of fifty-seven credits at Wayne State University as outlined on the Articulation Agreement.	0

Welding and Fabrication Advanced Applications (CVWLDN)

Description

This advanced certificate combines welding fundamentals with more complex welding, cutting and fabrication techniques and applications aimed to further develop one's skills and core competencies. Students focus on welding using processes and positions common in industry, perform destructive and non-destructive testing, identify weld failures and perform root cause analysis, executive repair techniques, perform advanced fabrication techniques and execute automated welding and cutting programming and operations. Students who successfully complete this advanced certificate will have learned a broad range of essential skillsets critical to the trade and how to apply those skills to manufacturing, automotive, construction, aerospace, oil, military industry, gas and power industries.

Articulation

Eastern Michigan University, several BS degrees.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Successful completion of the Welding and Fabrication Principles Certificate (CTWLDS).

Continuing Eligibility

WAF 233 and WAF 239 require a Math Level 2.

Requirements

Major/Area Requirements

Class	Title	Minimum Credits
WAF 150	Automated Welding and Cutting	3
WAF 210	Welding Metallurgy	3
WAF 230	Advanced Shielded Metal Arc Welding (SMAW)	4
WAF 231	Gas Tungsten Arc Welding (GTAW)	4
WAF 232	Semi-Automatic Welding Processes	4
WAF 233	Submerged Arc and Flux Core Arc Welding	3
WAF 239	Advanced Metal Fabrication	3

Welding and Fabrication Principles (CTWLDS)

Description

This certificate introduces students to safe welding and cutting practices and principles including, proper technique and position, weld quality requirements, destructive and non-destructive testing and examination methods, print reading and interpretation of welding symbols as well as basic metal fabrication. Students will use the foundation and working knowledge to weld in all processes, perform repair techniques using thermal cutting and gouging, apply the requirements to executive quality welds and apply CNC programming language that can be used to produce parts that can be assembled and welded. This certificate serves as a fundamental pathway into the Welding and Fabrication Advanced Applications certificate and Welding Technology degree. Students who successfully complete this certificate will have learned the skills sought by the workforce as an entry-level welder and fabricator.

Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Requirements**Major/Area Requirements**

Class	Title	Minimum Credits
NCT 120	Introduction to 2D CAD CAM Programming and Applications	2
WAF 106	Welding Print Reading	3
WAF 109	Welding Safety and OSHA Regulations	2
WAF 125	Introduction to Welding Processes I	2
WAF 126	Introduction to Welding Processes II	2
WAF 130	Shielded Metal Arc Welding (SMAW)	4
WAF 131	Thermal Cutting, Gouging and Weld Repair	3
WAF 139	Basic Metal Fabrication	3
WAF 140	Inspection and Testing	3