

ALERT!

Students who begin college in September 2014 must follow the Michigan Transfer Agreement (MTA) requirements rather than the MACRAO requirements listed here. New MTA articulation guides will be posted to the EMU Community College Relations website soon. In the meantime, please see a community college counselor for more information about the MTA or look for more information at <http://www.macrao.org/mcm.asp?floor=4>

Washtenaw Community College – Associate in Arts in Secondary Education
Eastern Michigan University – Bachelor of Science in Secondary Education

Washtenaw Community College Courses:**Eastern Michigan University:**

MACRAO Requirements	(33 credits)		(33 credits)
1. English Writing Requirement	(7 credits)		(7 credits)
ENG 111 Composition I.....	4	ENGL 121 Composition II: Res. Pub. Exp. (3)+1	4
ENG 226 Composition II.....	3	ENGL 225 Writing in a Changing World	3
2. Math/Science Requirement	(8 credits)		(8 credits)
¹ Complete one course: (Complete at WCC).....	4	One course	4
MTH 176 College Algebra (4)		MATH 105 College Algebra (3)+1	
MTH 160 Basic Statistics (4)		MATH 170 Elementary Statistics (3)+1	
MTH 181 Mathematical Analysis I (4)		MATH 118 Linear Models & Probability (3)+1	
MTH 182 Business Calculus (4)		MATH 119 Applied Calculus (3)+1	
Complete one course:.....	4	One course	4
BIO 101, BIO 102; CEM 105, CEM 111; GLG 100,		Courses will transfer as equivalent courses or	
GLG 114; PHY 105, PHY 111, or other WCC		General Education credit or general transfer credit	
approved MACRAO lab science course			
3. Humanities Requirement	(9 credits)		(9 credits)
COM 101 Fundamentals of Speaking	3	CTAC 124 Fundamentals of Speech	3
² Complete one course:.....	3	Perspectives on a Diverse World Requirement:.....	3
ENG 181 African-American Literature		LITR 160 African American Literature	
ENG 214 Literature of the Non-western World		LITR GEGA Global Awareness transfer credit	
ENG 242 Multicultural Literature for Youth		CHL 208 Multicultural Children's Lit	
Complete one course:.....	3	One course:	3
Choose from courses approved by WCC to satisfy the		Courses may transfer as equivalent courses, General	
MACRAO humanities requirement.		Education transfer credit, or general transfer credit.	
4. Social Science Requirement	(9 credits)		(9 credits)
PLS 112 American Government.....	3	PLSC 112 American Government	3
PSY 100 Introductory Psychology	3	PSY 101 General Psychology	3
Complete one course from the following:.....	3	One course	3
HST 121, 122, 123, 201, or 202		Courses may transfer as equivalent courses, General	
		Education transfer credit, or general transfer credit.	
WCC Major/Area Requirements	(27 credits)		(27 credits)
* PSY 220 Human Development & Learning.....	4	EDPS 322 Human Development and Learning.....	4
* PSY 251 Education of Exceptional Children.....	3	SPGN 251 Education of Students with Exceptionalities....	3
Complete one course from the following:	3	One course (University Elective).....	3
CIS 100 Intro to Computers &Software Apps (3)		BMMT 201 Microcomp for Business Applic (3)	
CIS 110 Intro to Computer Information Systems (3)		IS 215 End-User Computing (3)	
³ Major/minor Courses	17	Major/Minor requirements	17
<i>Select from the WCC courses that apply to secondary education majors and minors on pages 2 through 5.</i>			
Credits at WCC:	60	Credits that transfer to EMU	60

* Required for EMU's Secondary Education program.

¹ MTH 160, 176, 181 or 182 should be completed at WCC to satisfy EMU's quantitative reasoning requirement. If completed at EMU, MATH 110 is required, unless waived by ACT/SAT math placement score. MTH 125 may also be used, but be sure you will have enough math/science credits to satisfy the minimum of 8 credits in this category.

² Satisfies EMU's Perspectives on a Diverse World requirement.

³ There may not be enough transferable courses in some majors or minors to complete the program at WCC. Students may take major/minor courses at EMU and transfer them back to WCC in order to complete the Associate degree.

**EASTERN MICHIGAN UNIVERSITY
ARTICULATION GUIDE**

September 2011

**Washtenaw Community College – Associate in Arts in Secondary Education
Eastern Michigan University – Bachelor of Science in Secondary Education**

Completion of Secondary Education Program at EMU

First Semester at EMU

Students with a community college GPA of 3.0 or higher, who have completed at least 56 transferable credits and have passed the Professional Readiness Examination may apply for admission to the Teacher Preparation Program. Students who do not meet these requirements must complete at least 12 credits at EMU to establish an overall GPA of 2.5 and a GPA of 2.5 in the major.

Remaining Major/minor Requirements (36-60 credits)

Students must complete an approved major and (certain teaching majors excepted) minor. Credit hours are approximate and will vary depending on the major and minor chosen and the number of major and minor courses completed at the community college.

Major/minor courses 24-47

For information on approved secondary education majors and minors go to:

<http://www.emich.edu/coe/students/undergraduate/types/secondary.html>

Professional Studies (33 credits)

Phases I & II Courses (19 credits)

CURR 305	Curriculum & Methods: Secondary	3
EDMT 330	Instructional Applic Media & Tech.....	3
EDPS 340	Intro to Assessment & Evaluation	3
PRCT 305	Practicum I: Secondary.....	3
SOFD 328W	Schools in Multicultural Society.....	3
PRCT 311	Practicum II: Secondary.....	3
RDNG 311	Teaching Reading in Secondary School.....	3
	Specialized Methods of Teaching course in subject area.....	3

Phase III Capstone Experience (12 Credits)

¹ EDUC 492	Student Teaching.....	9
-----------------------	-----------------------	---

Credits at EMU: 69-93

NOTE: Credits are approximate. Credits at EMU and total credits will vary depending on major and minor as well as specific courses selected.

Approximate Credits to Graduate: 128-151

¹ Satisfies EMU's Learning beyond the Classroom requirement.

WCC Courses That Transfer for Secondary Education Majors and Minors

These courses may be used to satisfy electives in WCC's Secondary Education program. Although all of the courses listed below will transfer to EMU, students should select carefully so that they will be able to meet the minimum requirements at EMU. A minimum of 60 credits toward the program total must be completed at the four-year college level; and at least 9 hours in a major and 6 hours in a minor, both at the 300/400 level, must be completed at EMU. Majors include a minimum of 30 credits and minors a minimum of 20 credits. For information on secondary education majors/minors go to: <http://www.emich.edu/coe/students/undergraduate/types/secondary.html>

Washtenaw Community College:

Eastern Michigan University:

Biology Major*/Minor

* BIO 103	General Biology II.....	4	BIO 110	Introductory Biology I.....	4
* BIO 227	Biology of Animal Physiology (4) and				
* BIO 228	Biology of Plant Physiology (4)	8	BIO 120	Introductory Biology II (4)+4	8
* BIO 208	Genetics	4	BIO 301	Genetics	4
BIO 215	Cell and Molecular Biology.....	4	BIO 305/306	Cell and Molecular Biology & Lab	5
CEM 111	General Chemistry I	4	CHEM 121/122	General Chemistry I & Lab	4
CEM 122	General Chemistry II	4	CHEM 123/124	General Chemistry II & Lab	4
CEM 211	Organic Chemistry I	4	CHEM 371	Organic Chemistry I.....	4
CEM 222	Organic Chemistry II	4	CHEM 372	Organic Chem III (3) & CHEM 373 Lab (2)	4

**EASTERN MICHIGAN UNIVERSITY
ARTICULATION GUIDE**

September 2011

Washtenaw Community College:

Eastern Michigan University:

PHY 111 General Physics I.....	4	PHY 221 Mechanics, Sound and Heat.....	4
PHY 122 General Physics II.....	4	PHY 222 Electricity and Light.....	4
Choose one course from the following:.....	4-5	One course:.....	4-5
MTH 160 Basic Statistics (4)		MATH 170 Elementary Statistics (3)	
MTH 191 Calculus I (5)		MATH 120 Calculus I (4)	
Chemistry Major*/Minor			
* CEM 111 General Chemistry I.....	4	CHEM 121/122 General Chemistry I & Lab.....	4
* CEM 122 General Chemistry II.....	4	CHEM 123/124 General Chemistry II & Lab.....	4
CEM 211 Organic Chemistry I.....	4	CHEM 371 Organic Chemistry I.....	4
CEM 222 Organic Chemistry II.....	4	CHEM 372/373 Organic Chemistry II & Lab.....	4
¹ MTH 191 Calculus I.....	5	MATH 120 Calculus I.....	5
¹ Complete one course from the following:.....	4-5	One course:.....	4-5
PHY 111 General Physics I (4)		PHY 221 Mechanics, Sound and Heat	
PHY 211 Analytical Physics I (5)		PHY 223 Mechanics and Sound	
¹ Complete one course from the following:.....	4-5	One course:.....	4-5
PHY 122 General Physics II (4)		PHY 222 Electricity and Light	
PHY 222 Analytical Physics II (5)		PHY 224 Electricity and Light	
Communication and Theatre Arts Major*/Minor			
¹ COM 101 Fundamentals of Speaking.....	3	CTAC 124 Fundamentals of Speech.....	3
* COM 102 Interpersonal Communication.....	3	CTAC 227 Interpersonal Communication.....	3
COM 130 Intro to Mass Communication.....	3	CTAT 130 Intro to Electronic Media.....	3
* COM 142 Oral Interpretation of Literature.....	3	CTAO 210 Interpretation of Reading.....	3
COM 183 Persuasion.....	3	CTAC 224 Public Speaking.....	3
* DRA 180 Theatre Appreciation.....	3	CTAR 150 Introduction to Theatre.....	3
DRA 152 Acting I.....	3	CTAR 158 Fundamentals of Acting.....	3
DRA 204 Improvisational Acting.....	3	CTAR 323 Improvising and Role Play.....	3
Computer Science Education Major*/Minor			
* CIS 100 Intro to Computers & Software Applications.....	3	COSC 101 Comp Science concepts and Practical Applications.....	3
* CPS 161 An Introduction to Programming with Java.....	4	COSC 111 Introduction to Programming (3)+1.....	4
* CPS 261 Advanced Java Concepts.....	4	COSC 211 Programming Data Structures (3)+1.....	3
¹ MTH 191 Calculus I.....	5	MATH 120 Calculus I.....	5
Earth Science Major*/Minor			
* GLG 114 Physical Geology.....	4	ESSC 110 The Dynamic Earth System.....	4
¹ BIO 103 General Biology II.....	4	BIO 110 Introductory Biology I.....	4
¹ CEM 111 General Chemistry I.....	4	CHEM 121/122 General Chemistry I & Lab.....	4
¹ PHY 111 General Physics I.....	4	PHY 221 Mechanics, Sound and Heat.....	4
¹ Choose one course from the following:.....	4-5	One course:.....	4-5
MTH 160 Basic Statistics (4)		MATH 170 Elementary Statistics (3)	
MTH 191 Calculus I (5)		MATH 120 Calculus I (4)	
Economics Education *Minor only			
* ECO 211 Principles of Economics I.....	3	ECON 201 Principles of Macroeconomics.....	3
* ECO 222 Principles of Economics II.....	3	ECON 202 Principles of Microeconomics.....	3
French Major/Minor			
¹ FRN 111 First Year French I.....	5	FRNH 121 Beginning French.....	5
¹ FRN 122 First Year French II.....	5	FRNH 122 Beginning French.....	5
¹ FRN 213 Second Year French I.....	3	FRNH 233 Intermediate French Conv, Comp & Gramm.....	3
¹ FRN 224 Second Year French II.....	3	FRNH 234 Intermediate French Conv, Comp & Gramm.....	3
* may be completed for minor.			
¹ required support course or prerequisite for the major			

**EASTERN MICHIGAN UNIVERSITY
ARTICULATION GUIDE**

September 2011

WCC Courses That Transfer for Secondary Education Majors and Minors

Washtenaw Community College:

Eastern Michigan University:

Geography Major*/Minor (minor only available with Social Studies or History major)

* GEO 101 World Regional Geography.....	3	GEOG 110 World Regions.....	3
* GEO 212 Geog of United States and Canada.....	3	GEOG 320 Geog of US and Canada.....	3
* GLG 114 Physical Geology.....	4	ESSC 110 The Dynamic Earth System.....	4
ECO 211 Principles of Economics I.....	3	ECON 201 Principles of Macroeconomics.....	3
HST 122 Western Civilization II.....	3	HIST 102 History Western Civil 1648-WWI.....	3
HST 123 The Twentieth Century.....	3	HIST 103 20th Century Civilization.....	3

German Major/Minor

¹ GRM 111 First Year German I.....	5	GERN 121 Beginning German.....	5
¹ GRM 122 First Year German II.....	5	GERN 122 Beginning German.....	5

History Major*/Minor

GEO 101 World Regional Geography.....	3	GEOG 110 World Regions.....	3
* HST 121 Western Civilization I.....	3	HIST 101 Western Civilization to 1648.....	3
* HST 122 Western Civilization II.....	3	HIST 102 Western Civilization, 1648 to World War I.....	3
* HST 123 The Twentieth Century.....	3	HIST 103 20th Century Civilization.....	3
* HST 201 United States History to 1877.....	3	HIST 123 The United States to 1877.....	3
* HST 202 United States History Since 1877.....	3	HIST 124 The United States, 1877 to Present.....	3

Integrated Science Comprehensive Group Major [Leave at least 7 credit hours (2 requirements) to complete at EMU]

BIO 103 General Biology II.....	4	BIO 110 Introductory Biology I.....	4
BIO 227 Animal Physiology & BIO 228 Plant Physiology.....	8	BIO 120 Introductory Biology II (4)+4.....	8
CEM 111 General Chemistry I.....	4	CHEM 121/122 General Chemistry I & Lab.....	4
CEM 122 General Chemistry II.....	4	CHEM 123/124 General Chemistry II & Lab.....	4
GLG 114 Physical Geology.....	4	ESSC 110 The Dynamic Earth System.....	4
PHY 111 General Physics I.....	4	PHY 221 Mechanics, Sound and Heat.....	4
PHY 122 General Physics II.....	4	PHY 222 Electricity and Light.....	4
Complete one option from the following:.....	5-7	One or two courses:.....	5-7
MTH 182 Mathematical Anal II & MTH 178 General Trig		MATH 119 Applied Calc & MATH 107 Plane Trig (5)+2	
MTH 191 Calculus I (5)		MATH 120 Calculus I (4)+1	

Language, Literature and Writing Major*/Minor

* Complete one course from the following:.....	3	One course:.....	3
ENG 209 Technical Writing III		ENGL 323 Writing in the Professional World	
JRN 216 News Writing and Reporting		JRNL 215 News Writing & Reporting	
ENG 218 Technical Writing IV		ENGL 324 Prin of Technical Communication	
ENG 271 Creative Writing II		CRTW 335 Imaginative Writing	

Mathematics Major*/Minor

¹ CPS 161 An Introduction to Programming with Java.....	4	COSC 111 Introduction to Programming (3)+1.....	4
* MTH 191 Calculus I.....	5	MATH 120 Calculus I.....	5
* MTH 192 Calculus II.....	4	MATH 121 Calculus II.....	4
* MTH 197 Linear Algebra.....	4	MATH 122 Elementary Linear Algebra (3)+1.....	4
MTH 293 Calculus III.....	4	MATH 223 Multivariable Calculus.....	4
MTH 295 Differential Equations.....	4	MATH 325 Differential Equations.....	4

* may be completed for minor.

¹ required support course or prerequisite for the major

**EASTERN MICHIGAN UNIVERSITY
ARTICULATION GUIDE**

September 2011

WCC Courses That Transfer for Secondary Education Majors and Minors

Washtenaw Community College:

Eastern Michigan University:

Physical Science Comprehensive Major (no minor required)

CEM 111	General Chemistry I	4
CEM 122	General Chemistry II	4
CEM 218	Analytic Chemistry	4
PHY 111	General Physics I	4
PHY 122	General Physics II	4
GLG 114	Physical Geology	4
¹ BIO 101	Concepts of Biology	4
¹ Complete one option from the following:		5-8
MTH 182	Business Calculus & MTH 178 General Trig (8)	
MTH 191	Calculus I (5)	

CHEM 121/122	General Chemistry I & Lab	4
CHEM 123/124	General Chemistry II & Lab	4
CHEM 281	Quantitative Analysis	4
PHY 221	Mechanics, Sound and Heat	4
PHY 222	Electricity and Light	4
ESSC 110	The Dynamic Earth System	4
BIO 105	Introductory Biology for Non-Majors	4
One or two courses:		5-8
MATH 107	Plane Trig and MATH 119 Applied Calc & (5)+3	
MATH 120	Calculus I (4)+1	

Physics Major/*Minor

¹ MTH 191	Calculus I	5
¹ MTH 192	Calculus II	4
¹ MTH 197	Linear Algebra	4
¹ Complete one:		4
CEM 105	Fundamentals of Chemistry (4)	
CEM 111	General Chemistry I (4)	
CEM 140	Organic Biochemistry (4)	

MATH 120	Calculus I	5
MATH 121	Calculus II	4
MATH 122	Elementary Linear Algebra (3)+1	4
One course:		4
CHEM 117 & 118	Fundamentals of Chemistry	
CHEM 121/122	General Chemistry I & Lab (4)	
CHEM 120	Fundamentals of Organic Biochemistry (4)	

¹ Complete one:		4
BIO 101	Concepts of Biology (4)	
BIO 227	Zoology (4)	
BIO 228	Botany (4)	

One course:		4
BIO 105	Intro to Biology for non-majors (4)	
BIO 140	Biology of Animals (4)	
BIO 130	Biology of Plants (4)	

*PHY 211	Analytical Physics I	5
*PHY 222	Analytical Physics II	5

PHY 223	Mechanics and Sound	5
PHY 224	Electricity and Light	5

Political Science *Minor only (requires History or Social Studies major)

¹ PLS 112	Intro to American Govt	3
*PLS 150	State and Local Government and Politics	3
*PLS 211	Intro to Comparative Government	3
*PLS 250	Campaigns and Elections	3

PLSC 112	American Govt	3
PLSC 202	State & Local Government	3
PLSC 211	Intro to Comparative Government	3
PLSC 357	Campaigns and Elections	3

Psychology Minor only

*PSY 100	Intro to Psychology	3
----------	---------------------	---

PSY 101	General Psychology	3
---------	--------------------	---

Other courses should be selected in consultation with an advising coordinator.

Social Studies Group Major (requires history, economics, geography, or political science as a minor)

ECO 211	Principles of Economics I	3
ECO 222	Principles of Economics II	3
GEO 101	World Regional Geography	3
GEO 212	Geog of United States and Canada	3
PLS 112	Intro to American Govt	3
HST 201	United States History to 1877	3
HST 202	United States History Since 1877	3

ECON 201	Principles of Macroeconomics	3
ECON 202	Principles of Microeconomics	3
GEOG 110	World Regions	3
GEOG 320	Geog of US and Canada	3
PLSC 112	American Govt	3
HIST 123	The United States to 1877	3
HIST 124	The United States, 1877 to Present	3

Spanish Major/*Minor

¹ SPN 111	First Year Spanish I	5
¹ SPN 122	First Year Spanish II	5
¹ SPN 213	Second Year Spanish I	3
¹ SPN 224	Second Year Spanish II	3

SPNH 121	Beginning Spanish I	5
SPNH 122	Beginning Spanish II	5
SPNH 221	Intermediate Spanish Reading	3
SPNH 222	Intermediate Spanish Reading	3

Other Approved Minors for Secondary Teacher Certification

Health, and Physical Education

* may be completed for minor.

¹ required support course or prerequisite for the major

EASTERN MICHIGAN UNIVERSITY ARTICULATION GUIDE

September 2011

Washtenaw Community College – Associate in Arts in Secondary Education Eastern Michigan University – Bachelor of Science in Secondary Education

Additional Information:

1. In completing the coordinated program of study for this articulation agreement, course substitutions should be made with the guidance of the advisers (indicated below) at both institutions to assure that all requirements are satisfied. Each institution will determine the satisfaction of their individual program and degree requirements. WCC courses indicated with an * are required for EMU's Bachelor of Business Administration Program.
2. Students whose transcripts are endorsed as "MACRAO Satisfied" will only be required to meet EMU's three general education requirements, noted on the articulation guide and listed below. These requirements may be completed at the most appropriate time for the student, whether before or after enrollment at EMU:
 - a) An approved course in Quantitative Reasoning: [at WCC: MATH 125,160,176,180,181, 182,191] or [at EMU: MATH 110; or if intermediate algebra has been completed with a "C" or higher, MATH 105, 118, 120, 170, COSC 106, PHIL 181, PLSC 210, SOCL 250, or STS 224]
 - b) An approved course in Perspectives on a Diverse World: [at WCC: **Humanities:** ART 143, 150; COM 225; DAN 180; ENG 181, 213, 214, 224, 242, 281; HUM 145, 150, 175; **Social Science:** ANT 201; ECO 280; GEO 101; HST 123, 150, 230, 235, 240, 270; PLS 211; PSY 107; SOC 205]
 - c) One Learning Beyond the Classroom course or experience offered by EMU: [EDUC 492 at EMU]
To use MACRAO, students must request that an official community college transcript, with the "MACRAO Satisfied" stamp, be sent to EMU's Admissions Office. Students, who do not have "MACRAO Satisfied" on their community college transcript, will be required to satisfy EMU's general education requirements as listed in the Undergraduate Catalog. The MACRAO stamp may be completed after admission to EMU, however, students should inform advisors at EMU that they intend to complete MACRAO, or they may be advised to complete additional courses for the general education program.
3. Only courses with a grade of "C" or better (2.0 on a 4.0 scale) will be accepted for transfer to EMU.
4. A minimum of 60 semester hours must be completed at the four-year college level, 30 hours of which must be completed at EMU, with at least 9 hours in the major and 6 hours in the minor at the 300- level or higher. Of the last 30 semester hours prior to graduation, at least 10 hours must be completed in courses offered by EMU. A minimum of 124 credit hours, completed in-residence or accepted in transfer, is required for graduation.
5. Students with a community college grade point average (GPA) of 3.0 or higher, who have completed at least 56 transferable credits, and have passed the Professional Readiness Examination may apply directly to the Teacher Preparation Program. Students who do not meet these requirements must complete at least 12 credits at EMU to establish an EMU (GPA) of 2.5 and a GPA of 2.5 in the major. Other admission criteria include: satisfactory health status, satisfactory social and emotional adjustment, submission of an autobiography, and freedom from any kind of probation.
6. Students are encouraged to attend an EMU Secondary Education group advising session before completing an admission application to EMU. To facilitate the evaluation of transcripts, students should include a copy of this articulation guide in their application for admission and bring a copy of the articulation guide to the group advising session and all individual advising sessions at EMU.

Effective Dates: September 1, 2011 until August 31, 2014.

This is a renewal of an agreement made in April 2003 and renewed in September 2007. Students who began this program prior to the new effective date are encouraged to change to this guide. If this agreement is not renewed at the end of the effective period, students who already started the program will be given three additional years to be admitted to EMU under the terms of this agreement.

Contacts:

Washtenaw Community College
Cassandra George Sturges, Faculty
LA 330V, 734-677-5375
csturges@wccnet.edu
Kimberly Groce, Division Counselor
LA 300T, 734.973.3476
kgroce@wccnet.edu

Eastern Michigan University
Teacher Education Department
313 Porter Building, 734. 487.3260
Virginia Harder, vharder1@emich.edu
Linda Lewis-White, linda.lewis-white@emich.edu
For the group advising schedule:
<http://www.emich.edu/coe/oas/sessions.html>