

EASTERN MICHIGAN UNIVERSITY ARTICULATION GUIDE

September 2006

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

Purpose:

Bring a copy of this articulation agreement to all advising sessions.

This articulation agreement is designed to provide a smooth curriculum transition for students who choose to earn both an associate degree and a bachelor's degree in Secondary Education. The articulation agreement assists students in meeting the program and graduation requirements at both institutions without losing credits or repeating coursework.

Students should select a major and minor as early as possible in order to avoid extra coursework and time. Electives should be selected carefully to satisfy as many requirements as possible.

Requirements:

1. Complete the coordinated program of study for the Secondary Education program at Washtenaw Community College and the Bachelor of Science in Secondary Education at EMU as indicated in this articulation guide.
2. Students whose transcripts are endorsed as "MACRAO Satisfied" by the community college will only be required to meet EMU's additional four general education requirements, indicated on this guide with a "1" and listed below:
 - a) A course in advanced composition, advanced speech, or a foreign language [ENG 226 at WCC]
 - b) A course in mathematical reasoning [MTH 160, 181, 182, 191, or 197 at WCC]
 - c) A cross-cultural course [ENG 181, ENG 214, or ENG 242 at WCC]
 - d) A course in computer literacy [CIS 100, 110; CPS 120 at WCC]

To use MACRAO, students should request a MACRAO evaluation of their transcript in the Community College Student Records Office. Students who do not satisfy MACRAO will have to complete all of EMU's general education requirements.

3. Only courses with a grade of "C" or better (2.0 on a 4.0 scale) will be accepted for transfer to EMU. A Course completed with a grade of less than 2.0, which is counted toward graduation at the community college, may be used to satisfy MACRAO requirements, however, the course will not transfer and will have to be repeated if it is a requirement of the Secondary Education Program.
4. Admission to the Teacher Education program is not automatic. Transfer students should begin the admission process during their first semester at EMU. To apply, students must have completed at least 56 credits. At least 12 credits must be in EMU courses with an overall EMU grade point average (GPA) of 2.5 and a GPA of 2.5 in the major. Other admission criteria include: successful completion of the state-mandated basic skills test, satisfactory health status, satisfactory social and emotional adjustment, submission of an autobiography, and freedom from any kind of probation.
5. Students must meet all other admission requirements at the time of admission to EMU, including submitting transcripts from all previously attended colleges.
6. Students should attend a group advising session early, before completing an admission application to EMU. Bring a copy of this articulation guide to all advising sessions.

Effective Dates: April 1, 2003. This agreement has been **extended until September 1, 2007.** WCC students who began this articulated program prior to fall 2007 may use this articulation guide and will have at least three years beyond the ending date 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

Kathleen Strnad, Divisional Counselor
LA 230M, (734) 677-5067, kstrnad@wccnet.edu

Eastern Michigan University

College of Education Advising Center
206 Porter Building (734) 487-3415
Olga Nelson, olga.nelson@emich.edu
Linda Lewis-White, linda.lewis-white@emich.edu
For the group advising schedule:
www.emich.edu/coe/advising/elemgradv.html

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Washtenaw/EMU - Secondary Education

Washtenaw Community College Courses:

Eastern Michigan University:

MACRAO Requirements	(33-34 credits)
1. English Writing Requirement (7 credits)	
ENG 111 Composition I.....	4 ENGL 121 Composition II: Res. Pub. Exp. (3) +1.....
¹ ENG 226 Composition II.....	3 ENGL 326 Research Writing
2. Math/Science Requirement (8-9 credits)	
¹ Choose one course from the following:.....	4-5 One course
MTH 160 Basic Statistics (4)	MATH 170 Elementary Statistics
MTH 181 Mathematical Analysis I (4)	MATH 118 Linear Models & Probability
MTH 182 Mathematical Analysis II (4)	MATH 119 Applied Calculus
MTH 191 Calculus I (5)	MATH 120 Calculus I
MTH 197 Linear Algebra (4)	MATH 122 Elementary Linear Algebra
Choose one course from the following:.....	4 One course
BIO 101 Concepts of Biology (4)	BIOL 105 Intro to Biology for Non-majors
BIO 102 Human Biology (4)	BIOL BAS Basic Studies Transfer Credit
CEM 105 Fundamentals of Chemistry (4)	CHEM 117 & 118 Fundamentals of Chemistry & Lab
CEM 111 General Chemistry I (4)	CHEM 121 & 122 General Chemistry I and Lab
GLG 100 Intro to Earth Science (4)	ESSC 108/109 Earth Science for Non-Majors & Lab (4)
GLG 114 Physical Geology (4)	ESSC 110 The Dynamic Earth System (4)
PHY 105 Conceptual Physics (4)	PHY 110 Physical Science I
PHY 111 General Physics I (4)	PHY 221 Mechanics, Sound & Heat
3. Humanities Requirement (9 credits)	
COM 101 Fundamentals of Speaking.....	3 CTAS 121 Fundamentals of Speech (2) +1.....
¹ Choose one course from the following:	3 One course
ENG 181 African American Literature (3)	LITR 260 African American Literature
ENG 214 Literature of the Non-Western World (3)	LITR BASX Meets EMU's cross-cultural requirement
ENG 242 Multicultural Literature for Youth (3)	LITR 208 Multicultural Children's Literature
Choose one course from the following:.....	3 One course
ART 130, 143, 150; ENG 160, 170, 211, 212, 213, 222, 223, 224; DRA 152; HUM 101, 102, 145; MUS 140, 180, PHL 101, 102, 205, 250; (FRN, GRM, or SPN 111, 122, 213, or 224)	Courses will transfer as equivalent courses or General Education transfer credit or general transfer credit
4. Social Science Requirement (9 credits)	
PLS 112 American Government.....	3 PLSC 112 American Government
PSY 100 Introductory Psychology	3 PSY 101 General Psychology
Choose one course from the following:.....	3 One course
HST 121 Western Civilization	HIST BAS Basic Studies Transfer Credit
HST 122 Western Civilization 1300-1800	HIST BAS Basic Studies Transfer Credit
HST 123 The 20 th Century	HIST 103 20 th Century Civilization
HST 201 US History to 1877	HIST 123 The US to 1870
HST 202 US History Since 1877	HIST 124 The US, 1877 to Present
Additional Requirements (10 Credits)	
** PSY 220 Human Development & Learning.....	4 EDPS 322 Human Development and Learning
PSY 251 Education of Exceptional Children.....	3 SPGN 251 Education of Students with Exceptionalities.....
¹ Choose one course from the following:	3 One course
CIS 100 Intro to Software Applications (3)	BEDU 201 Microcomputers for Business Applications (3)
CIS 110 Intro to Computer Information Systems (3)	IS 215 End-User Computing (3) or
CPS 120 Intro to Computer Science (3)	COSC BAS Meets Computer Literacy Requirement
Major/Minor Electives (17 Credits)	
² Major/minor Courses	17 Major/Minor Group requirements.....
<i>Select from the list of WCC courses that apply to secondary education majors and minors on pages 3 and 4.</i>	
Minimum Credits at WCC: 60-61 Credits that transfer to EMU60-61	

¹ Meets one of EMU's four requirements in addition to MACRAO. See page 1, #2 for more information.

² 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.

** Students may dual-register in FETE 201 at EMU concurrently with enrollment in PSY 220 at WCC. See a program advisor for more information.

Note: If a WCC course has more credits than the EMU equivalent course, the additional credits will come over as general transfer credit.

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Completion of the Secondary Education Program at EMU

First Semester at EMU (15 Credits)

² FETE 201	Field Experience	1
PEGN 210	Lifetime Health and Fitness	2
Choose:	Major/minor courses	12

Phases I & II Courses (18-20 Credits)

SOFD 328	Schools in Multicultural Society	3
CURR 305	Curriculum & Methods-Secondary	3
FETE 302	Field Experience II	1
EDPS 340	Intro to Assessment & Evaluation	3
EDMT 330	Instructional Applic Media & Tech	2
FETE 402	Field Experience III, Secondary	1
RDNG 311	Teaching Reading in Secondary School	3
Specialized	Teaching Methods Course	2-4

Phase III Capstone Experience (12 Credits)

EDUC 492	Student Teaching	12
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³Major/minor Requirements (24-47 Credits)

Major/minor courses (See EMU Undergraduate Catalog)	24-47
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³Credits at EMU:73-96

³Approximate Credits to Graduate: 133-157

² Students may dual-enroll in FETE 201 at EMU concurrently with enrollment in PSY 220 at WCC.

³ Total credits will vary depending on the major and minor or three minors chosen and whether courses are taken at WCC or EMU.

WCC Courses That Apply to Secondary Education Majors and Minors

Although all courses listed below will transfer to EMU, students should limit the number of courses taken at WCC. A minimum of 60 credits toward the program total must be completed at the four-year college level; and at least 9 hours in the major (6 hours in the minor) at the 300/400 level must be completed at EMU. Majors have a minimum of 30 credits and minors a minimum of 20 credits. For more information about the following secondary education major and minor requirements, refer to the EMU Undergraduate Catalog on-line at "emich.edu".

Washtenaw Community College Courses:

Transfers to EMU as:

Biology Major/Minor

BIO 103	General Biology II	4
BIO 227	Animal Physiology & BIO 228 Plant Physiology	8
BIO 208	Genetics	4
* CEM 111	General Chemistry I	4
* CEM 122	General Chemistry II	4
* CEM 211	Organic Chemistry I	4
* CEM 222	Organic Chemistry II	4
* PHY 111	General Physics I	4
* PHY 122	General Physics II	4
* Choose one course from the following:	4-5	
MTH 160	Basic Statistics (4)	
MTH 191	Calculus I (5)	

BIOL 110	Introductory Biology I	4
BIOL 120	Introductory Biology II (4)+4	8
BIOL 301	Genetics	4
CHEM 121/122	General Chemistry I & Lab	4
CHEM 123/124	General Chemistry II & Lab	4
CHEM 371	Organic Chemistry I	4
CHEM 372	Organic Chem III (3) & CHEM 373 Lab (2)	4
PHY 221	Mechanics, Sound and Heat	4
PHY 222	Electricity and Light	4
One course:	4-5	
MATH 170	Elementary Statistics (3)	
MATH 120	Calculus I (4)	

* Doesn't count toward the major/minor credits but is a required support course for this major.

Chemistry Major/Minor

* BIO 103	General Biology II	4
CEM 111	General Chemistry I	4
CEM 122	General Chemistry II	4
CEM 218	Analytical Chemistry I	4
CEM 211	Organic Chemistry I	4
CEM 222	Organic Chemistry II	4
* MTH 191	Calculus I	5
* Choose one course from the following:	4-5	
PHY 111	General Physics I (4)	
PHY 211	Analytical Physics I (5)	
* Choose one course from the following:	4-5	
PHY 122	General Physics II (4)	
PHY 222	Analytical Physics II (5)	

BIOL 110	Introductory Biology I	4
CHEM 121/122	General Chemistry I & Lab	4
CHEM 123/124	General Chemistry II & Lab	4
CHEM 281	Quantitative Analysis	4
CHEM 371	Organic Chemistry I	4
CHEM 372/373	Organic Chemistry II & Lab	4
MATH 120	Calculus I	5
One course:	4-5	
PHY 221	Mechanics, Sound and Heat	
PHY 223	Mechanics and Sound	
One course:	4-5	
PHY 222	Electricity and Light	
PHY 224	Electricity and Light	

* Doesn't count toward the major/minor credits but is a required support course for this major.

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Washtenaw Community College Courses:

Transfers to EMU as:

Communication and Theatre Arts Major/Minor

COM 102	Interpersonal Communication	3
COM 142	Oral Interpretation of Literature	3
COM 225	Intercultural Communication	3
DRA 152	Acting for the Theatre I	3

CTAC 227	Interpersonal Communication	3
CTAO 210	Interpretation of Reading.....	3
CTAC 374	Intercultural Communication	3
CTAR 158	Fundamentals of Acting	3

Computer Science Education Major/Minor

* MTH 197	Linear Algebra (prerequisite)	3
CIS 238	PC Assembly Language	3

MATH 122	Elementary Linear Algebra.....	3
COSC 239	Assembly & Machine Language.....	3

* Doesn't count toward the major/minor credits but is a required support course for this major.

Earth Science Major/Minor

* BIO 103	General Biology II	4
* CEM 111	General Chemistry I	4
GLG 109	Common Rocks	3
* PHY 111	General Physics I	4

BIOL 110	Introductory Biology I	4
CHEM 121/122	General Chemistry I & Lab.....	4
ESSC 229	Rocks of Michigan (2)+1	3
PHY 221	Mechanics, Sound and Heat.....	4

* Doesn't count toward the major/minor credits but is a required support course for this major.

Economics Education Major/Minor

ECO 211	Principles of Economics I.....	3
ECO 222	Principles of Economics II.....	3
* GEO 101	World Regional Geography.....	3
* HST 123	Western Civilization: Modern World – 1815-Present ..	3
* Choose one:	3

ECON 201	Principles of Macroeconomics	3
ECON 202	Principles of Microeconomics.....	3
GEOG 110	World Regions.....	3
HIST 103	20th Century Civilization	3

MTH 182	Mathematical Analysis II (4)
MTH 191	Calculus I (5)

One Course:	
MATH 119	Applied Calculus (3) +1
MATH 120	Calculus I (5)

* Doesn't count toward the major/minor credits but is a required support course for this major.

English Language Literature & Writing Major/Minor

ENG 181	African-American Literature	3
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LITR 260	African-American Literature	3
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French Major/Minor

* FRN 111	First Year I	5
* FRN 122	First Year II	5
* FRN 213	Second Year I	3
* FRN 224	Second Year II	3

FRNH 121	Beginning French	5
FRNH 122	Beginning French	5
FRNH 233	Intermediate.....	3
FRNH 222	Intermediate Reading	3

* Doesn't count toward the major/minor credits but is a required support course for this major.

German Major/Minor

* GRM 111	First Year I	5
* GRM 122	First Year II	5

GERN 121	Beginning German	5
GERN 122	Beginning German	5

* Doesn't count toward the major/minor credits but is a required support course for this major.

Geography Major/Minor

GEO 101	World Regional Geography.....	3
GEO 103	Cultural Geography.....	3
GLG 114	Physical Geology	4
* HST 123	Western Civilization: Modern World – 1815-Present ..	3
* Choose one:	3

GEOG 110	World Regions.....	3
GEOG 235	Economic Geography.....	3
ESSC 110	The Dynamic Earth System	4
HIST 103	20th Century Civilization	3
One course:	3

ECO 211	Principles of Economics I (3)
ECO 222	Principles of Economics II (3)

ECON 201	Principles of Macroeconomics (3)
ECON 202	Principles of Microeconomics (3)

* Doesn't count toward the major/minor credits but is a required support course for this major.

History Major/Minor

* GEO 101	World Regional Geography.....	3
HST 123	Western Civilization: Modern World – 1815-Present ..	3
Choose one:	3
HST 201	United States History to 1877 (3)	
HST 202	United States History Since 1877 (3)	

GEOG 110	World Regions.....	3
HIST 103	20th Century Civilization	3
One Course:		
HIST 123	The United States to 1877 (3)	
HIST 124	The United States, 1877 to Present (3)	

* Doesn't count toward the major/minor credits but is a required support course for this major.

Integrated Science Major/Minor-new

(requirements not available at this time)

Mathematics Major/Minor

MTH 191	Calculus I	5
MTH 192	Calculus II or	4
MTH 197	Linear Algebra.....	4
MTH 293	Calculus III	4
MTH 295	Differential Equations.....	4

MATH 120	Calculus I	5
MATH 121	Calculus II	4
MATH 122	Elementary Linear Algebra (3)+1	4
MATH 223	Multivariable Calculus	4
MATH 325	Differential Equations.....	4

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Washtenaw Community College Courses:

Transfers to EMU as:

Physics Major/Minor

* MTH 191	Calculus I	5
* MTH 192	Calculus II or	4
* MTH 197	Linear Algebra	4
* MTH 293	Calculus III	4
PHY 211	Analytical Physics I	4
PHY 222	Analytical Physics II	4
* Choose one:		4
CEM 105	Fundamentals of Chemistry (4)	
CEM 111	General Chemistry I (4)	
CEM 140	Organic Biochemistry (4)	
* Choose one:		4
BIO 101	Concepts of Biology (4)	
BIO 227	Zoology (4)	
BIO 228	Botany (4)	

MATH 120	Calculus I	5
MATH 121	Calculus II	4
MATH 122	Elementary Linear Algebra (3)+1gtc	4
MATH 223	Multivariable Calculus	4
PHY 223	Mechanics and Sound	4
PHY 224	Electricity and Light	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)	
One course:		4
BIOL 105	Intro to Biology for non-majors (4)	
ZOOL 140	Biology of Animals (4)	
BOTN 130	Biology of Plants (4)	

* Doesn't count toward the major/minor credits but is a required support course for this major.

Political Science Major/Minor

* GEO 101	World Regional Geography	3
* HST 123	Western Civilization: Modern World – 1815-Present	3
PLS 150	State and Local Government and Politics	3
PLS 211	Intro to Comparative Government	3

GEOG 110	World Regions	3
HIST 103	20th Century Civilization	3
PLSC 202	State & Local Government	3
PLSC 211	Intro to Comparative Government	3

* Doesn't count toward the major/minor credits but is a required support course for this major.

Psychology Major/Minor

* GEO 101	World Regional Geography	3
PSY 200	Child Psychology	3

GEOG 110	World Regions	3
PSY 321	Child Psychology	3

* Doesn't count toward the major/minor credits but is a required support course for this major.

Social Studies Group Major (with a Minor in Economics, Geography, History or Political Science)

ECO 211	Principles of Economics I	3
ECO 222	Principles of Economics II	3
* MTH 160	Basic Statistics	4
GLG 100	Intro to Earth Science	4
GEO 101	World Regional Geography	3
Choose one:		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
SOCL 250	Social Statistics I	4
ESSC 108/109	Earth Science for Non-Majors & Lab	4
GEOG 110	World Regions	3
One course:		3
HIST 123	The United States to 1877 (3)	
HIST 124	The United States, 1877 to Present (3)	

* Doesn't count toward the major/minor credits but is a required support course for this major.

Sociology Major/Minor

* HST 123	Western Civilization: Modern World – 1815-Present	3
¹ MTH 160	Basic Statistics	4
SOC 100	Principles of Sociology	3
SOC 207	Social Problems	3
* Choose one:		3
ANT 201	Intro to Cultural Anthropology (3)	
GEO 101	World Regional Geography (3)	

HIST 103	20th Century Civilization	3
SOCL 250	Social Statistics I	4
SOCL 105	Introductory Sociology	3
SOCL 202	Social Problems	3
One course:		3
ANTH 135	Intro to Cultural Anthropology (3)	
GEOG 110	World Regions (3)	

* Doesn't count toward the major/minor credits but is a required support course for this major.

¹ Not required for the minor

Spanish Major/Minor

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

* Doesn't count toward the major/minor credits but is a required support course for this major/minor.

Other Approved Majors for Secondary Teacher Certification

This articulation agreement is not intended for students in k-12, Special Education, Business Education, Marketing Education or Vocational Education programs. See the EMU Undergraduate Catalog for requirements for other majors and minors.