

EASTERN MICHIGAN UNIVERSITY
ARTICULATION GUIDE

September 2007
Updated: September 2009

Henry Ford Community College – Associate in Arts in Pre-Secondary Education
Eastern Michigan University – Bachelor of Science in Secondary Education

Henry Ford Community College:

Eastern Michigan University:

MACRAO Requirements (32-33 credits)	(32-33 credits)
<p>1. English Writing Requirement (6 credits) ENG 131 Composition I 3 ENG 132 Composition II 3</p> <p>2. Math/Science Requirement (8-9 credits) ¹Complete one course: (Must complete at HFCC) 4-5 MATH 115 College Algebra (5) MATH 141 Introduction to Statistics (4) MATH 150 Finite Mathematics (4) Complete one 4 credit lab science course: 4 Choose from courses numbered 100 or above with prefixes of ASTR, ATMS, BIO, CHEM, GEOL, PHYS, PSCI, or SCI.</p> <p>3. Social Science Requirements (9 credits) POLS 131 Intro to American Gov. & Political Sci (SS) 3 PSY 131 Introduction to Psychology 3 Complete one 3 credit history course: see note below 3 Choose from courses with a HIST prefix.</p> <p>4. Humanities Requirement see note below (9 credits) Complete three courses from at least 2 disciplines: 9 Choose from courses numbered 100 or above with prefixes of ART, DNC, DNCA, ENG (except 131, 132, & 135) ARA, FRE, SPN, HON, HUM, ITAL, JOUR, MUS, PHIL, SMC, SPC, STH, SWC, TCM, and/or WR</p> <p><i>NOTE: In completing the Humanities and Social Science requirements (Areas 3 & 4 above), choose at least one course from the following to satisfy EMU's Global Awareness/US Diversity requirement: ANTH 131, 152; ART 224; ENG 243, 248; GEOG 132; HIST 113, 225, 255, 257; POLS 153; SOC 152, 251; WR 131</i></p>	<p>(6 credits) ENGL 120 English Composition I (University Elective) ... 3 ENGL 121 English Composition II 3</p> <p>(8-9 credits) One Course (Quantitative Reasoning Requirement) 4-5 MATH 105 College Algebra (3)+2 MATH 170 Elementary Statistics (3)+1 MATH 118 Linear Models & Probability (3)+1 One course: 4 Courses may transfer as equivalent courses, General education transfer credit, or general transfer credit.</p> <p>(9 credits) PLSC 112 American Government 3 PSY 101 General Psychology 3 One course: 3</p> <p>(9 credits) Three courses: 9 Courses may transfer as equivalent courses, General education transfer credit, or general transfer credit</p>
HFCC Additional Requirements (31 credits)	(31 credits)
<p>CIS 223 Instructional Technology for Sec Teachers 3 *PSY 256 Educational Psychology 3 *PSY 294 Educational Psychology Practicum 1 *PSY 296 The Exceptional Child 3 Complete one Wellness course: 2-3 Choose from COUN 114; HPEA 117, 217, 126, 155; HPE 140, 142, 153, or 260 Elective Courses 18-19 <i>Choose courses from the HFCC "Courses that Apply to Secondary Education Majors and Minors" on pages 2-5.</i></p>	<p>COSC 000 General Transfer Credit (Univ Elective) 3 EDPS 322 Human Development and Learning (4) -1 3 FETE 201 Field Experience 1 SPGN 251 Education of Students with Exceptionalities .. 3 One Course: (University Elective) 2-3 Courses may transfer as equivalent courses or general transfer credit. Major/minor Group course 18-19</p>
Credits at HFCC 64	Credits that transfer to EMU 64

** Required for EMU's Secondary Education program.
¹ MATH 115, 141, or 150 must be completed at HFCC to satisfy EMU's Quantitative Reasoning Requirement. If completed at EMU, MATH 110 will be required unless waived by SAT/ACT or math placement test.*

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Completion of Secondary Education Program at EMU

First Semester at EMU (12 credits)

Students with a community college GPA of 3.0 or higher, who have completed at least 56 transferable credits and have passed the Basic Skills Test 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. Courses in the major and minor may be used for this purpose.

Major/minor courses 12

Major/minor Requirements (24-47 credits)

Major/minor courses 24-47

Professional Studies (31 credits)

Phases I & II Courses (19 credits)

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

Phase III Capstone Experience (12 credits)

¹ EDUC 492 Student Teaching 12

Credits at EMU: 70-93

Approximate Credits to Graduate: 130-153

¹ Meets EMU's Learning beyond the Classroom requirement.

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

HFCC Courses That Transfer for Secondary Education Majors and Minors

These courses may be used to satisfy the electives in HFCC's 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 the major and 6 hours in the 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 the most recent information about secondary education major/minor requirements go to: www.emich.edu/academics/programs/a.htm.

Henry Ford Community College Courses: Transfer to EMU as:

Biology Major/Minor

* BIO 152	Biology and molecular Biology	4	BIO 110	Introductory Biology I	4
* BIO 150	Biology: Organisms-Genes-Ecol	4	BIO 120	Introductory Biology II	4
CHEM 141	Princ of General & Inorganic Chemistry I	5	CHEM 121/122	General Chemistry I & Lab (4)+1	5
CHEM 142	Princ Gen/Inorganic Chem-cnt	5	CHEM 123/124	General Chemistry II & Lab (4)+1	5
CHEM 241	Organic Chemistry.....	4	CHEM 371	Organic Chemistry I (3)+1	4
PHYS 131	Liberal Arts Physics.....	4	PHY 221	Mechanics, Sound and Heat.....	4
PHYS 132	Liberal Arts Physics, Cont	4	PHY 222	Electricity and Light	4
Complete one course from the following:.....	4-5		One course:	4-5	
	MATH 141 Intro to Statistics (4)			MATH 170 Elementary Statistics (3)+1	
	MATH 180 Calculus I (5)			MATH 120 Calculus I (4)+1	

* may be completed for minor.

HFCC Courses That Transfer for Secondary Education Majors and Minors**Henry Ford Community College Courses:****Transfer to EMU as:****Chemistry Major/Minor**

*CHEM 141 Principles of General & Inorganic Chemistry I.....5
*CHEM 142 Princ Gen/Inorganic Chem-cnt.....5
CHEM 241 Organic Chemistry.....4
¹ MATH 180 Calculus I.....5
¹ Complete one course from the following:..... 4-5
PHYS 131 Liberal Arts Physics (4)
PHYS 231 Engineering Physics (5)
¹ Complete one course from the following:..... 4-5
PHYS 132 Liberal Arts Physics, Cont (4)
PHYS 232 Engineering Physics, Cont (5)

CHEM 121/122 General Chemistry I & Lab (4)+1..... 5
CHEM 123/124 General Chemistry II & Lab (4)+1..... 5
CHEM 371 Organic Chemistry I (3)+1..... 4
MATH 120 Calculus I (4)+1..... 5
One course:..... 4-5
PHY 221 Mechanics, Sound and Heat (4)
PHY 223 Mechanics, Sound and Heat (5)
One course:..... 4-5
PHY 222 Electricity and Light (4)
PHY 224 Electricity and Light (5)

Communication & Theatre Arts Teaching Major/Minor

*SPC 131 Fundamentals of Speaking.....3
*SPC 145 Interpersonal Communication.....3
*Complete one course from the following:.....3
STH 132 Acting I (3)
STH 133 Technical Theatre (3)
STH 142 Theatrical Production (3)

CTAS 124 Fundamentals of Speech..... 3
CTAC 227 Interpersonal Communication..... 3
One course:..... 3
CTAR 158 Fundamentals of Acting (3)
CTAR 152 Technical Theatre: Scenery & Lighting (3)
CTAR 155 Producing Theatre (3)

Computer Science Education Major/Minor

*CIS 171 Java Programming.....3
¹ MATH 180 Calculus I.....5
¹ MATH 275 Discrete Mathematics.....4

COSC 111 Introduction to Programming..... 3
MATH 120 Calculus I (4)+1..... 5
MATH 205 Mathematical Structures for Computer Science..... 4

Earth Science Major/Minor

¹ BIO 152 Biology: Cells and Molecular Biology.....4
¹ CHEM 141 Princ. of General & Inorg. Chemistry I.....4
¹ Complete one course from the following:..... 4-5
MATH 141 Intro to Statistics (4)
MATH 180 Calculus I (5)
¹ PHYS 131 Liberal Arts Physics.....4
*GEOL 131 Physical Geology.....4
*GEOL 132 Historical Geology.....4

BIO 110 Introductory Biology I..... 4
CHEM 121 & 122 General Chemistry I and Lab..... 4
One course:..... 4-5
MATH 170 Elementary Statistics (3)+1
MATH 120 Calculus I (4)+1
PHY 221 Mechanics, Sound & Heat..... 4
ESSC 110 The Dynamic Earth System..... 4
ESSC 111 The Earth Systems Through Time..... 4

Economics Education Major/Minor

*BEC 151 Princ. of Macro Economics.....3
*BEC 152 Princ. of Micro-Economics.....3
GEOG 132 World Regional Geography.....3

ECON 201 Principles of Macroeconomics..... 3
ECON 202 Principles of Microeconomics..... 3
GEOG 110 World Regions..... 3

French Language Major/Minor

¹ FRE 131 Elementary French.....4
¹ FRE 132 Elementary French, cont.....4
¹ FRE 231 Second Year French.....4
¹ FRE 232 Second Year French, cont.....4

FRNH 121 Beginning French I (5) -1..... 4
FRNH 122 Beginning French II (5) -1..... 4
FRNH 221 Intermediate French (3)+1..... 4
FRNH 222 Intermediate French (3)+1..... 4

Geography Major/Minor

¹ Complete one course from the following:.....3
BEC 151 Princ. of Macro Economics (3)
BEC 152 Princ. of Micro-Economics (3)
*GEOL 131 Physical Geology.....4
*GEOG 132 World Regional Geography.....3

One course:..... 3
ECON 201 Principles of Macroeconomics (3)
ECON 202 Principles of Microeconomics (3)
ESSC 110 The Dynamic Earth System..... 4
GEOG 110 World Regions..... 3

¹ required support course for the major

* may be completed for minor.

HFCC Courses That Transfer for Secondary Education Majors and Minors

Henry Ford Community College Courses: Transfer to EMU as:

German Language Major/Minor

¹ GER 131 Elementary German	4	GERN 121 Beginning German I (5) -1	4
¹ GER 132 Elementary German, cont	4	GERN 122 Beginning German II (5) -1	4
¹ GER 231 Second Year German.....	4	GERN 221 Intermediate German (3)+1	4
¹ GER 232 Second Year German, cont.....	4	GERN 222 Intermediate German (3)+1	4

History Major/Minor

GEOG 132 World Regional Geography	3	GEOG 110 World Regions (Global Awareness Reqmt)	3
* HIST 151 History of the US to 1865	3	HIST 123 The US to 1877	3
* HIST 152 History of the US from 1865	3	HIST 124 The US, 1877 to the Present.....	3

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

* BIO 152 Biology and molecular Biology	4	BIO 110 Introductory Biology I	4
* BIO 150 Biology: Organisms-Genes-Ecol	4	BIO 120 Introductory Biology II	4
CHEM 141 Princ of General & Inorganic Chemistry I	5	CHEM 121/122 General Chemistry I & Lab (4)+1	5
CHEM 142 Princ Gen/Inorganic Chem-cnt	5	CHEM 123/124 General Chemistry II & Lab (4)+1	5
GEOL 131 Physical Geology.....	4	ESSC 110 The Dynamic Earth System.....	4
GEOL 132 Historical Geology	4	ESSC 111 The Earth Systems Through Time	4
PHYS 131 Liberal Arts Physics.....	4	PHY 221 Mechanics, Sound & Heat.....	4
PHYS 132 Liberal Arts Physics, cont.....	4	PHY 222 Electricity and Light	4
Complete one option from the following:.....	5-8	One or two courses:.....	5-8
MATH 153 Calculus for Business Life & Soc Sci (5) and		MATH 119 Applied Calculus (3) +2	
MATH 112 Trigonometry (3)		MATH 107 Plane Trigonometry (2) +1	
OR			
MATH 180 Calculus I (5)		MATH 120 Calculus I (4)+1	

Language, Literature and Writing Major

Complete one course from the following:.....	3	One course:	3
ENG 241 Shakespeare (3)		LITR 210 Introduction to Shakespeare (3)	
ENG 245 The Bible as Literature (3)		LITR 251 The Bible as Literature (3)	
JOUR 131 Journalism (3)		JRNL 215 News, Writing & Reporting (3)	

Mathematics Major/Minor

¹ CIS 171 Java Programming.....	3	COSC 111 Introduction to Programming	3
* MATH 180 Calculus I.....	5	MATH 120 Calculus I (4)+1	5
* MATH 183 Calculus II.....	5	MATH 121 Calculus II (4)+1	5
* MATH 283 Linear Algebra.....	3	MATH 122 Elementary Linear Algebra	3
MATH 280 Calculus III.....	5	MATH 223 Multivariable Calculus (4)+1	5
MATH 289 Differential Equations	4	MATH 325 Differential Equations (3)+1.....	4

Physical Science Comprehensive Major

CHEM 141 Prin of General & Inorganic Chem I	5	CHEM 121/122 General Chemistry I & Lab (4)+1	5
CHEM 142 Princ Gen/Inorganic Chem-cnt	5	CHEM 123/124 General Chemistry II & Lab (4)+1	5
PHYS 131 Liberal Arts Physics.....	4	PHY 221 Mechanics, Sound & Heat.....	4
PHYS 132 Liberal Arts Physics, cont.....	4	PHY 222 Electricity and Light	4
GEOL 131 Physical Geology.....	4	ESSC 110 The Dynamic Earth System.....	4
GEOL 132 Historical Geology	4	ESSC 111 The Earth System Through Time	4
¹ BIO 131 Introductory Biology	4	BIOL 105 Introductory Biology for Non-Majors.....	4
¹ Complete one option from the following:.....	5-8	One or two courses:.....	5-8
MATH 153 Calculus for Business Life & Soc Sci (5) AND		MATH 119 Applied Calculus (3) +2	
MATH 112 Trigonometry (3) OR		MATH 107 Plane Trigonometry (2) +1	
MATH 180 Calculus I (5)		MATH 120 Calculus I (4)+1	

¹ required support course

* may be completed for minor.

Henry Ford Community College Courses:

Transfer to EMU as:

Physics Major/Minor

¹MATH 180 Calculus I.....5
¹MATH 183 Calculus II.....5
¹MATH 283 Linear Algebra.....3
¹Complete one course from the following:..... 4-5
 CHEM 131 Prin of Chemistry (4)
 CHEM 132 Prin of Organic & Biological Chem (4)
 CHEM 141 Prin of General & Inorganic Chem I (5)
¹Complete one course from the following:.....4
 BIO 131 Introductory Biology (4)
 BIO 141 Botany (4)
 BIO 143 Zoology (4)
 ASTR 133 Intro Astronomy Lab.....1
 *PHYS 231 Engineering Physics.....5
 *PHYS 232 Engineering Physics Cont.....5

MATH 120 Calculus I (4)+1.....5
 MATH 121 Calculus II (4)+1.....5
 MATH 122 Elementary Linear Algebra.....3
 One course:.....4-5
 CHEM 117/118 Fundamentals of Chemistry (4)
 CHEM 120 Fundamentals of Organic * Biochemistry (4)
 CHEM 121/122 General Chemistry I & Lab (4)+1
 One course:.....4
 BIO 105 Introductory Biology for Non-Majors (4)
 BIO 130 Biology of Plants (4)
 BIO 140 Biology of Animals (4)
 ASTR 204 Astronomical Investigations.....1
 PHY 223 Mechanics and Sound.....5
 PHY 224 Electricity and Light.....5

Political Science Major/Minor (requires history or social studies major)

¹POLS 131 Intro to American Government & Political Science.....3
¹GEOG 132 World Regional Geography.....3
¹HIST 151 History of the US to 1865.....3
¹HIST 152 History of the US from 1865.....3
 *POLS 152 International Relations.....3
 *POLS 153 Comparative Government.....3
 *POLS 155 State and Local Government.....3

PLSC 112 American Government.....3
 GEOG 110 World Regions (Global Awareness Reqmt).....3
 HIST 123 The US to 1877.....3
 HIST 124 The US, 1877 to the Present.....3
 PLSC 212 Introduction to International Politics.....3
 PLSC 211 Intro to Comparative Government.....3
 PLSC 202 State and Local Government.....3

Psychology Major/Minor

*PSY 131 Introductory Psychology.....3
 PSY 251 Abnormal Psychology.....3
 Complete one course from the following:.....3
 PSY 152 Child Psychology (3)
 PSY 254 Social Psychology (3)

PSY 101 General Psychology.....3
 PSY 360 Abnormal Psychology.....3
 One course:.....3
 PSY 321 Child Psychology (3)
 SOCL 309 Social Psychology (3)

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

BEC 151 Princ. of Macro Economics.....3
 BEC 152 Princ. of Micro-Economics.....3
 GEOG 132 World Regional Geography.....3
 HIST 151 History of the US to 1865.....3
 HIST 152 History of the US from 1865.....3
 *GEOL 131 Physical Geology.....4
 POLS 131 Intro to American Govt & Political Science.....3

ECON 201 Principles of Macroeconomics.....3
 ECON 202 Principles of Microeconomics.....3
 GEOG 110 World Regions (Global Awareness Reqmt).....3
 HIST 123 The US to 1877.....3
 HIST 124 The US, 1877 to the Present.....3
 ESSC 110 The Dynamic Earth System.....4
 PLSC 112 American Government.....3

** for geography minor only*

Sociology Major/Minor

*SOC 131 Intro to Sociology.....3
 *SOC 151 Contemporary Social Problems.....3
 *SOC 254 Social Psychology.....3

SOCL 105 Introductory Sociology.....3
 SOCL 202 Social Problems.....3
 SOCL 308 Social Psychology.....3

Spanish Language Major/Minor

¹SPN 131 Elementary Spanish.....4
¹SPN 132 Elementary Spanish, cont.....4
¹SPN 231 Second Year Spanish.....4
¹SPN 232 Second Year Spanish, cont.....4

SPNH 121 Beginning Spanish I (5) -1.....4
 SPNH 122 Beginning Spanish II (5) -1.....4
 SPNH 221 Intermediate Spanish Reading (3)+1.....4
 SPNH 222 Intermediate Spanish Reading (3)+1.....4

¹ required support course for the major or minor

** may be completed for minor.*

Other Approved Minors for Secondary Teacher Certification

Health and Physical Education

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(not intended for students in k-12 and Special Education programs)

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

Additional Information:

1. In completing this coordinated program of study for the Pre-Secondary Education program at HFCC and the Bachelor of Science in Secondary Education at EMU as indicated on the preceding pages, course substitutions should be made with the guidance of the advisers at both institutions to assure that all requirements are satisfied. Courses indicated with an * are required for EMU's Secondary Education Program.
2. Students whose transcripts are endorsed as "MACRAO Satisfied" will only be required to meet EMU's three general education requirements, noted with a "1" on the articulation guide and listed below. These requirements may be completed at the most appropriate time for the student whether before or after admission to EMU.
 - a) An approved course in Quantitative Reasoning: [MATH 115, 141, or 150 at HFCC]
 - b) An approved course in Global Awareness or U.S Diversity: [ENG 243, 248; or GEOG 132 at HFCC]
 - c) One Learning Beyond the Classroom course or experience offered by EMU: [EDUC 492 at EMU]

To use MACRAO, students should request a MACRAO evaluation of their transcript in the Community College Student Records or Registrar's 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 2.0 or better (on a 4.0 scale) will be accepted for transfer to EMU. A course completed with a grade of less than 2.0, even though it is counted toward graduation at the community college and used to satisfy MACRAO, will not transfer and will have to be repeated if it is a requirement of the BBA degree program at EMU.
4. A minimum of 60 semester hours must be completed at the four-year college/university level. At least 9 hours in the major and 6 hours in the minor at the 300- level or above must be completed at EMU. 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 Basic Skills Test may apply 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, 2007 until September 1, 2010. This agreement replaces an agreement made in June 2004 and all subsequent updates. Students who began this program prior to fall 2007 have the option of following the agreement in place when they started or using this agreement. 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:

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Eastern Michigan University
College of Education Advising Center
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Linda Lewis-White, linda.lewis-white@emich.edu
For the group advising schedule:
www.emich.edu/coe/advising/elemgradv.htm