

EASTERN MICHIGAN UNIVERSITY MACRAO TRANSFER GUIDE

Washtenaw Community College

December 2005

Washtenaw Community College students whose transcripts are endorsed as having satisfied MACRAO will only be required to complete EMU's four additional general education requirements, described on page 5. These requirements may be completed either at the community college or at EMU. They do not necessarily require taking additional courses. Three of the requirements may be met within the MACRAO agreement by selecting appropriate courses from EMU's approved list. A two credit course in health and wellness is also required for graduation. Students who do not satisfy MACRAO will be required to complete all of EMU's General Education requirements as listed in the EMU Undergraduate Catalog.

The determination of courses that may be used to satisfy MACRAO is made by Washtenaw Community College. Students should request a MACRAO evaluation of their transcript in the WCC Student Records office, in the Student Center Building. Completion of the MACRAO requirements does not guarantee that a student has completed the requirements for an associate degree.

Some EMU programs/majors specify which general education courses to complete for that major. It is extremely important that, before selecting courses below, you obtain the curriculum (or an articulation agreement if one exists) for your chosen EMU program or major. The EMU catalog is available online at emich.edu/public/catalogs and articulation guides are available at emich.edu/ccr.

Washtenaw Community College Courses:

Transfer to EMU as:

I. English Composition (6-7 credits)

ENG 111	Composition I	4	ENGL 121	Composition II (3) +1	4
+ ENG 226	Composition II	3	ENGL 326	Research Writing	3

II. Math and Science (minimum of 8 credits from two subject areas, at least one course must be a laboratory science)

MTH 107	Triangle Trigonometry	3	MATH 000	General Transfer Credit	3
^ MTH 148	Functional Math for Elementary Teachers I	4	MATH 109	Math for Elementary Teachers II (3) +1	4
#^ MTH 149	Functional Math for Elementary Teachers II	4	MATH 109	Math for Elementary Teachers II (3) +1	4
* MTH 160	Basic Statistics	4	MATH 170	Elementary Statistics (3) +1	4
			or SOCL 250	Social Statistics I (3) +1	4
MTH 169	Intermediate Algebra	4	MATH 104	Intermediate Algebra (3) +1	4
MTH 176	College Algebra	4	MATH 105	College Algebra (3) +1	4
MTH 178	General Trigonometry	3	MATH 107	Plane Trigonometry (2) +1	3
MTH 180	Precalculus with Trigonometry	5	MATH 105 & MATH 107	5
# MTH 181	Mathematical Analysis I	4	MATH 118	Linear Models and Probability (3) +1	4
# MTH 182	Mathematical Analysis II	4	MATH 119	Applied Calculus (3) +1	4
# MTH 191	Calculus I	5	MATH 120	Calculus I (4) +1	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 (3) +1	4
AST 100	Introductory Astronomy	1	ASTR BAS	General Education Credit	1
AST 111	General Astronomy	3	ASTR 203	Exploration of the Universe	3
BIO 101	Concepts of Biology	4	BIOL 105	Intro Biology for Non-Majors	4
BIO 102	Human Biology	4	BIOL BAS	General Education Credit	4
BIO 103	General Biology II	4	BIOL 110	Introductory Biology I (5) -1	4
BIO 107	Introduction to Field Biology	3	BIOL 205	Field Biology (5) -2	3
BIO 109	Essentials of Human Anatomy & Physiology	4	BIOL 000	General Transfer Credit	4
BIO 111	Anatomy & Physiology	5	BIOL 000	General Transfer Credit	5
BIO 200	Current Topics	3	BIOL 000	General Transfer Credit	3
BIO 208	Genetics	4	BIOL 301	Genetics (3) +1	4
BIO 215	Cell and Molecular Biology	4	BIOL 305/306	Cell and Molecular Bio & Lab (5) -1	4
BIO 220	Human Genetics	3	BIOL 000	General Transfer Credit	3
BIO 227	Zoology	4	ZOOL 222	General Zoology	4
BIO 228	Plant Physiology	4	BOTN 221	General Botany	4
BIO 237	Microbiology	4	MICR 328	Introductory Microbiology (3) +1	4
BIO 259	Field Study of Common Plants	1	BOTN 234	General Field Botany	1
CEM 105	Fundamentals of Chemistry	4	CHEM 117/118	Fund of Chemistry w/Lab	4
CEM 111	General Chemistry I	4	CHEM 121/122	General Chemistry I with Lab	4
CEM 122	General Chemistry II	4	CHEM 123/124	General Chemistry II with Lab	4
CEM 140	Organic Biochemistry	4	CHEM 120	Fund of Organic and Biochemistry	4
CEM 211	Organic Chemistry I	4	CHEM 371	Organic Chemistry I (3) +1	4
CEM 218	Analytical Chemistry	4	CHEM 281	Quantitative Analysis	4
CEM 222	Organic Chemistry II	4	CHEM 372/373	Organic Chemistry II with Lab (5) -1	4
^ PHY 100	Physics for Elementary Teachers	4	PHY 100	Physics for Elementary Teachers (3) +1	4
PHY 105	Conceptual Physics	4	PHY 110	Physical Science	4
PHY 111	General Physics I	4	PHY 221	Mechanics, Sound & Heat	4
PHY 122	General Physics II	4	PHY 222	Electricity & Light	4

+ Satisfies the requirements for an upper-level written communication, speech communication or foreign language composition.

^ Only for students in Elementary or Early Childhood Education.

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* Approved cross-cultural/international studies course.

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PHY 211	Analytical Physics I	5	PHY 223	Mechanics, Sound & Heat	5
PHY 222	Analytical Physics II	5	PHY 224	Electricity & Light	5
GLG 100	Intro to Earth Science.....	4	ESSC 108/109	Earth Science for Non-Majors & Lab	4
GLG 103	Field Geology	3	ESSC 000	General Transfer Credit.....	3
GLG 104	Weather.....	3	ESSC 000	General Transfer Credit.....	3
GLG 109	Common Rocks.....	3	ESSC 000	General Transfer Credit.....	3
GLG 114	Physical Geology	4	ESSC 110	The Dynamic Earth System.....	4
GLG 125	Historical Geology	4	ESSC 111	The Earth System Through Time	4
^ GLG 202	Earth Science for Elementary Students	4	ESSC 202	Earth Science for Elementary Teachers (3) +1	4
GLG 219	Field Studies in Geology	1-4	ESSC 000	General Transfer Credit.....	1-4
GLG 289	Dinosaurs for Educators.....	3	ESSC 000	General Transfer Credit.....	3

III. Humanities (minimum of 8 credits from at least two subject areas)

ART 101	Drawing & Painting.....	3	ART 101	Intro to Art.....	3
ART 105	Drawing In Europe	2	ART 000	General Transfer Credit.....	2
ART 108	Three Dimensional Design.....	4	ART 231	Three-Dimensional Design	4
ART 111	Basic Drawing I	4	ART 123	Drawing I (3) +1	4
ART 112	Basic Design I	4	ART 122	Two-Dimensional Design (3) + 1	4
ART 114	Painting I	4	ART 313	Painting (3) +1	4
ART 120	Portrait Painting/Life Drawing.....	4	ART 000	General Transfer Credit.....	4
ART 122	Basic Drawing II	4	ART 124	Drawing II (3) +1	4
ART 125	Painting II	4	ART 000	General Transfer Credit.....	4
ART 130	Art Appreciation.....	3	ART 100	Art Appreciation	3
ART 140	Life Drawing	4	ART 210	Life Drawing.....	4
* ART 143	Art & Culture of Afro-America.....	3	ART BASX	General Education Cross Cultural	3
* ART 150	Monuments from Around the World	3	ART BASX	General Education Cross Cultural	3
COM 101	Fundamentals of Speaking	3	CTAS 121	Fundamentals of Speech (2) +1	3
+ COM 102	Interpersonal Communication	3	CTAC 227	Interpersonal Communication.....	3
COM 130	Intro to Mass Communication	3	CTAT 000	General Transfer Credit.....	3
COM 142	Oral Interpretation of Literature	3	CTAO 210	Interpretative Reading	3
+ COM 183	Advanced Public Speaking	3	CTAC 224	Public Speaking.....	3
COM 200	Family Communication.....	3	CTAC 373	Family Communication	3
*+ COM 225	Intercultural Communication	3	CTAC 374	Intercultural Communication.....	3
DAN 130	Dance for Musical Theater	2	DANC 000	General Transfer Credit.....	2
DAN 180	Dance Appreciation.....	3	DANC 000	General Transfer Credit.....	3
DAN 200	Advanced performance Dance.....	2	DANC 000	General Transfer Credit.....	2
DRA 152	Acting for the Theatre I.....	3	CTAR 158	Fundamentals of Acting.....	3
DRA 208	Acting for Theatre II.....	3	CTAR 000	General Transfer Credit.....	3
DRA 220	Playwriting.....	3	CTAR 000	General Transfer Credit.....	3
DRA 152	Acting for the Theatre I.....	3	CTAR 158	Fundamentals of Acting.....	3
DRA 167	Theatre Production.....	2	CTAR 000	General Transfer Credit	2
DRA 170	Theatre Festival	2	CTAR 000	General Transfer Credit	2
DRA 208	Acting for Theatre II.....	3	CTAR 000	General Transfer Credit	3
DRA 209	Acting for Musical Theatre II	2	CTAR 000	General Transfer Credit	2
DRA 220	Playwriting.....	3	CTAR 000	General Transfer Credit	3
ENG 140	Science Fiction and Horror Fiction	3	LITR 000	General Transfer Credit.....	3
ENG 160	Intro to Literature: Poetry and Drama.....	3	LITR 102	Reading of Literature: Poetry.....	3
ENG 170	Intro to Literature: Short Story and Novel.....	3	LITR 101	Reading of Literature: Fiction	3
* ENG 181	African-American Literature	3	LITR 260	African-American Literature	3
ENG 200	Shakespeare	3	LITR 210	Intro to Shakespeare	3
ENG 211	American Literature I.....	3	LITR BAS	General Education Credit	3
ENG 212	English Literature I	3	LITR BAS	General Education Credit	3
ENG 213	World Literature I.....	3	LITR BAS	General Education Credit	3
* ENG 214	Literature of the Non-Western World	3	LITR BASX	General Education Cross Cultural	3
ENG 222	American Literature II.....	3	LITR BAS	General Education Credit	3
ENG 223	English Literature II	3	LITR BAS	General Education Credit	3
ENG 224	World Literature II.....	3	LITR BAS	General Education Credit	3
ENG 240	Children's Literature	3	LITR 207	Intro Child Literature	3
* ENG 242	Multi-Cultural Literature for Youth	3	LITR 208	Multicultural Children's Lit.....	3
+ FRN 111	First Year I.....	5	FRNH 121	Beginning French	5
+ FRN 122	First Year II.....	5	FRNH 122	Beginning French	5
FRN 213	Second Year I	3	FRNH 233	Intermediate French	3
FRN 224	Second Year II	3	FRNH 234	Intermediate French	3
+ GRM 111	First Year I.....	5	GERN 121	Beginning German.....	5
+ GRM 122	First Year II.....	5	GERN 122	Beginning German.....	5
HUM 101	Humanities I – Ancient to Medieval Times.....	3	PHIL BAS	General Education Credit	3

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HUM 102	Humanities II – Renaissance to Modern Times	3	PHIL BAS	General Education Credit	3
HUM 103	Intro to Humanities—20 th Century	3	AACR GEN	General Credit	3
HUM 145	Comparative Religions	3	HIST 100	Comparative Study of Religion	3
HUM 146	Mythology	3	LITR BAS	General Education Credit	3
HUM 150	International Cinema	3	AACR GEN	General Credit	3
HUM 160	American Film	3	CTAT 245	Surv Amer Cinema, 1894-Present	3
MUS 108	Music Theater Performance	1	CTAR 000	General Transfer Credit	1
MUS 140	Music Theory I	3	MUSC 104	Elements of Music (2) +1	3
			or MUSC 100	Intro to Music Theory	3
MUS 180	Music Appreciation	3	MUSC 107	Music Appreciation (2) +1	3
MUS 207	Introduction to American Musical Theatre	2	CTAR 000	General Transfer Credit	2
PHL 101	Introduction to Philosophy	3	PHIL 100	Introduction to Philosophy	3
PHL 102	History of Philosophy	3	PHIL 000	General Transfer Credit	3
PHL 120	Philosophy of Work	3	PHIL 000	General Transfer Credit	3
PHL 123	Critical Thinking	3	PHIL 120	Intro to Critical Reasoning	3
PHL 200	Existentialism	3	PHIL 260	Existentialism	3
PHL 205	Ethics	3	PHIL 220	Ethics	3
PHL 244	Ethical/Legal Issues in Health Care	3	PHIL 000	General Transfer Credit	3
PHL 250	Logic	3	PHIL 130	Introduction to Logic	3
+ SPN 111	First Year I	5	SPNH 121	Beginning Spanish	5
+ SPN 122	First Year II	5	SPNH 122	Beginning Spanish	5
SPN 213	Second Year I	3	SPNH 121	Beginning Spanish	3
SPN 224	Second Year II	3	SPNH 121	Beginning Spanish	3

IV. Social Science (minimum of 8 credits from at least two subject areas)

ANT 201	Intro to Cultural Anthropology	3	ANTH 135	Intro to Cultural Anthropology	3
ANT 202	Intro to Physical Anthropology	3	ANTH 140	Intro to Prehistoric Anthropology	3
ANT 205	Introduction to Archaeology	3	ANTH 150	Introductory Archaeology	3
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
ECO 280	International Economics	3	ECON 000	General Transfer Credit	3
GEO 101	World Regional Geography	3	GEOG 110	World Regions	3
GEO 103	Cultural Geography	3	GEOG 235	Economic Geography	3
GEO 212	Geography of US and Canada	3	GEOG 320	Geography of US and Canada	3
HST 121	Western Civilization I	3	HIST BAS	General Education Credit	3
HST 122	Western Civilization II	3	HIST BAS	General Education Credit	3
HST 123	The Twentieth Century	3	HIST 103	20th Century Civilization	3
* HST 150	African-American History	3	HIST BASX	Basic Studies Cross Cultural	3
HST 200	Michigan History	3	HIST 000	General Transfer Credit	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
HST 215	History of US Foreign Relations	3	HIST 000	General Transfer Credit	3
HST 216	U.S. Military History	3	HIST 000	General Transfer Credit	3
HST 220	The Civil War Era	3	HIST 000	General Transfer Credit	3
HST 230	History of the Holocaust	3	HIST 000	General Transfer Credit	3
* HST 235	African History	3	HIST BASX	General Education Cross Cultural	3
* HST 240	History of the Modern Middle East	3	HIST BASX	General Education Cross Cultural	3
HST 250	The Arab-Israeli Conflict	3	HIST 000	General Transfer Credit	3
HST 251	War in the Modern World	3	HIST 000	General Transfer Credit	3
HST 260	History of England to 1688	3	HIST 000	General Transfer Credit	3
PLS 112	Intro to American Government	3	PLSC 112	American Government	3
PLS 150	State and Local Government and Politics	3	PLSC 202	State & Local Government	3
PLS 211	Intro to Comparative Government	3	PLSC 211	Intro to Comparative Government	3
PLS 218	International Studies in Political Science	2	PLSC 211	Intro to Comparative Government (3) -1	3
PLS 220	Politics and the Media	3	PLSC 000	General Transfer Credit	3
PLS 250	Campaigns and Elections	3	PLSC 357	Campaigns and Elections	3
PSY 100	Introductory Psychology	3	PSY 101	General Psychology	3
* PSY 107	African-American Psychology	3	PSY BASX	General Education Cross Cultural	3
PSY 130	Alcoholism and Substance Abuse	3	PSY 000	General Transfer Credit	3
PSY 150	Psychology of Work	3	PSY 000	General Transfer Credit	3
PSY 200	Child Psychology	3	PSY 321	Child Psychology	3
PSY 206	Life Span Developmental Psychology	4	EDPS 325	Life Span Human Growth & Development	4
PSY 207	Adolescent Psychology	3	PSY 322	Psychology of the Adolescent	3
PSY 209	Psychology of Adjustment	3	PSY 207	Psychology of Adjustment	3
PSY 210	Behavior Modification	3	PSY 000	General Transfer Credit	3
PSY 220	Human Development and Learning	4	EDPS 322	Human Development and Learning	4

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Washtenaw Community College Courses:

Transfer to EMU as:

PSY 251	Education of the Exceptional Child	3	SPGN 251	Education of the Exceptional Child.....	3
PSY 257	Abnormal Psychology	3	PSY 360	Abnormal Psychology.....	3
PSY 260	Introduction to Human Sexuality	3	PSY 240	Psychology of Sex.....	3
SOC 100	Principles of Sociology.....	3	SOCL 105	Introductory Sociology.....	3
SOC 201	Medical Sociology	3	SOCL 000	General Transfer Credit.....	3
SOC 202	Criminology	3	CRM 301	Criminology.....	3
SOC 203	Aging & Society.....	3	SOCL 000	General Transfer Credit.....	3
*SOC 205	Race & Ethnic Relations	3	SOCL 214	Racial & Cultural Minorities	3
SOC 207	Social Problems	3	SOCL 202	Social Problems.....	3
SOC 225	Family Social Work	3	SWRK 000	General Transfer Credit	3
SOC 230	Marriage and Family	3	SOCL 204	Marriage and Family.....	3
SOC 250	Juvenile Delinquency	3	CRM 354	Juvenile Delinquency.....	3

EMU's Additional Four Requirements

In addition to satisfying MACRAO, EMU requires that the following four requirements and 2 credits of health and wellness are met either at WCC or EMU.

1. A course in advanced written communication, speech, or a course in foreign language composition:

This requirement may be satisfied by completing a course designated with a "+" in Areas I or III, or select the following course:
(Additional courses at EMU will meet this requirement.)

BMG 207	Business Communication.....	3	MGMT202	Business Communication.....	3
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2. A course in mathematical reasoning:

This requirement may be satisfied by completing one of the math courses designated with a "#" in Area II above. This requirement may be waived if the student scores 23 or above on the ACT Math section or 580 or above on the SAT Math section. (Additional courses at EMU will meet this requirement.)

3. A course in computer literacy:

BOS 206	Scheduling & Internet Office Applications.....	2	BEDU 201	Microcomputers for Business Appl (3) -1	2
CIS 100	Intro to Software Applications	3	BEDU 201	Microcomputers for Business Applications.....	3
			or COSC 101	Comp Science Concepts and Practical App.....	3
CIS 110	Intro to Computer Information Systems	3	IS 215	End-User Computing	3
CIS 175	Beginning Java Programming.....	4	COSC 111	Intro to Programming.....	4
CIS 278	Java Server Programming	4	COSC 111	Intro to Programming.....	4
CIS 277	Java for Programmers.....	3	COSC BAS	General Education Credit	3
CPS 120	Intro to Computer Science	3	COSC BAS	General Education Credit	3
CPS 171	Intro to Programming with C++	4	COSC BAS	General Education Credit.....	4

(Additional courses at EMU will meet this requirement.)

4. A cross-cultural course:

This requirement may be satisfied by completing one of the approved cross-cultural courses designated by an "***" in Area III Humanities or Area IV Social Science on pages 2 & 3. (Additional courses at EMU will meet this requirement.)

Health and Wellness:

PEA 102	Cardiovascular Training plus a one credit activity course: PEA 103, 104, 105, or YOG 101	2	PEGN 210	Lifetime Wellness and Fitness.....	2
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PLEASE NOTE THE FOLLOWING

- 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 less than 2.0, which is counted toward graduation at the community college, may be used to satisfy MACRAO. However, the course will not transfer and will have to be repeated if it is required for the EMU program.
- Students must meet all admission requirements at the time of application for admission to EMU, including submitting transcripts from all previously attended colleges.
- To use the MACRAO agreement, an official community college transcript stamped "MACRAO Satisfied" must be sent to EMU's Admissions Office.
- A minimum of sixty semester hours at the four-year college/university level is required for graduation at EMU, unless specifically waived by an articulation agreement.

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