



# Group 1 Courses for MACRAO

## Communications Area

The MACRAO Agreement requires 2 semesters of English Composition.

### English dept.

ENG 111 English Composition	4
ENG 112 English Composition	4

## Social Sciences Area

The MACRAO Transfer Agreement requires 8 credits from 2 departments below.

### Anthropology dept.

*ANT 113 Cultural Anthropology	3
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### Economics dept.

ECO 121 Basic Economics	3
ECO 201 Macroeconomics	3
ECO 202 Microeconomics	3

### Geography dept.

*GEO 101 Intro to Geography	3
GEO 105 & 105L Phys Geog/Lab	4
GEO 108 Geography of US/Canada	3
*GEO 109 World Regional Geog	3
GEO 110 Economic Geography	3
GEO 115 Introduction to GIS	3

### Political Science dept.

*PLS 101 Intro to Am Politics	3
*PLS 132 Comparative Politics	3
*PLS 211 International Relations	3
PLS 222 Intro to Political Theory	3
*PLS 233 U.S. Foreign Policy	3

### Psychology dept.

PSY 101 Intro to Psychology	3
PSY 211 Develop Psychology	3
PSY 212 Psych/Exceptional Child	3
PSY 221 Psych of Personality	3
PSY 223 Intro to Social Psych	3
PSY 225 Human Sexuality	3
PSY 231 Psych of Adjustment	3
PSY 250 Abnormal Psychology	3

### Sociology dept.

*SOC 101 Intro to Sociology	3
SOC 201 Modern Social Problems	3
*SOC 211 Marriage and Family	3
*SOC 220 Gender and Society	3
*SOC 221 Russian Lang & Culture	4
*SOC 231 Deviance & Crim Behav	3

Effective Fall 2009:

**Cultural Perspectives/Diversity (CPD)** is a requirement for the ASA and AGS degrees. To meet this requirement, choose any course marked with an asterisk \* or a 100 level French or Spanish course.

### MACRAO Transfer Agreement

Upon completion of all Group 1 requirements in each of the areas listed above, the transcript will state, "MACRAO Agreement satisfied."

CPD is not required to get MACRAO Stamp.

## Science/Math Area

The MACRAO Agreement requires 8 credits from 2 departments below, including a lab course. All science courses contain a lab unless otherwise stated.

### Astronomy dept.

AST 109 Planetary Astronomy	4
AST 119 Astronomy	4

### Biology dept.

BIO 106 Human Biology	4
BIO 107 Field Biology	4
BIO 108 Plant Biology	4
BIO 110 Essential Biology	4
BIO 115 Cell, Plant & Ecosystem Bio	4
BIO 116 Cell & Animal Biology	4
BIO 208 Microbiology	4
BIO 215 Genetics (no lab)	3
BIO 216 Genetics Lab	1
^BIO 227 Human Anatomy & Physiology	4
^BIO 228 Human Anatomy & Physiology	4
BIO 250 Nat. History/Vertebrates	4
BIO 255 Pathophysiology (no lab)	4
BIO 260 General Ecology	5
BIO 268 Biochemistry (no lab)	3
+BIO 270a Ecological Field Study	2
+BIO 270b Campus Botany	2
<i>BIO 100, 105, 109 if completed prior to Fall 2012</i>	
<i>^ Credit hours for BIO 227 &amp; BIO 228 sequencing changed effective Spring 2014</i>	

### Chemistry dept.

CHM 101 Intro. to Chemistry	4
CHM 150-150R General Chemistry I	5
CHM 151-151R General Chemistry II	5
CHM 201 Intro to Organic Chemistry	5
CHM 250 Organic Chemistry I	5
CHM 251 Organic Chemistry II	5

### Environmental Science dept.

ENV 103 Earth Science	4
ENV 104 Life of the Past	4
ENV 111 Physical Geology	4
ENV 112 Historical Geology	4
ENV 115 Introduction to GIS (no lab)	3
ENV 117 Meteorology & Climatology	4
ENV 131 Oceanography	4
ENV 140 Watershed Science	4
ENV 210 Fund. of Soil Science	4
ENV 231 Environmental Science	4
+ENV 270a MI Basin Geology	2
+ENV 270b Field Mapping	2
+ENV 270c Precambrian Geology of MI	2

### Math dept. (No Labs)

MTH 116 Intro Computer Science	4
MTH 120 Mathematical Explorations	3
MTH 121 College Algebra	4
MTH 122 Trigonometry	3
MTH 131 Intro. to Prob & Stats	3
MTH 140 College Algebra & Trig	5
MTH 141 Calculus I	5
MTH 142 Calculus II	5
MTH 241 Calculus III	4
MTH 251 Differential Equations	4

### Physics dept.

PHY 105 Physics World Around Us	4
PHY 121 General Physics I	4
PHY 122 General Physics II	4
PHY 221&221R Prob & Prin Physic	5
PHY 222&222R Prob & Prin Physics	5

+ Indicates a lab only course

## Humanities Area

The MACRAO Agreement requires 8 credits from 2 departments below.

### Art dept.

ART 100 Art Appreciation	3
*ART 111 Hist. of Western Art I	4
*ART 112 Hist. of Western Art II	4
*ART 116 World Cultures	4
ART 213 Modern Art History	3
*ART 214 Women in Art	3

### History dept.

*HST 101 Western Civ to 1500AD	4
*HST 102 Western Civ from 1500AD	4
*HST 111 US History to 1865	4
*HST 112 US History Since 1865	4
*HST 211 Native Am History	3
*HST 212 African-Am. History	3
*HST 213 American Women's History	3
HST 225 American Civil War	3
HST 228 The Vietnam War	3
HST 230 A History of Michigan	3
HST 235 20th Century Europe	3
*HST 245 Far East in 20 <sup>th</sup> Century	3

### Humanities dept.

*HUM 101 Intro. to Humanities	3
*HUM 102 Intro. to Humanities	3
HUM 111 American Experience	4
HUM 112 American Experience	4
*HUM 116 World Cultures	4
*HUM 221 Russian Lang & Culture	4

### Literature dept.

*ENG 210 Children's Literature	3
ENG 240 Intro to Literature	3
*ENG 241 World Mythology	3
*ENG 242 Intro to Women Writers	3
*ENG 245 Native American Lit	3
*ENG 246 British Literature I	3
*ENG 247 British Literature II	3
ENG 254 Shakespeare	3
ENG 257 Environmental Literature	3
ENG 261 British Literature	3
ENG 262 American Literature	3
*ENG 263 World Literature	3
ENG 264 Detective Fiction	3
ENG 265 Science Fiction/Fantasy	3
ENG 266 Popular Culture	3
ENG 267 Film as Literature	3
*ENG 271 Adolescence Cul Divers	3

### Music dept.

MUS 110 Music App Standard Lit	3
MUS 111 Music Appreciation Jazz	3
MUS 129 History of Rock & Roll	3
MUS 201 Theory of Music	3
MUS 202 Theory of Music	3

### Philosophy dept.

*PHL 101 Intro to Philosophy	3
*PHL 105 Critical Thinking	3
*PHL 121 Western Religions	4
*PHL 122 Eastern Religions	4
PHL 181 Old Testament	4
PHL 182 New Testament	4
*PHL 201 Ethics	3
*PHL 202 Contemp Ethical Dilemma	3
*PHL 203 Environmental Ethics	3
PHL 222 The World of Jesus	4
PHL 223 Jesus/Early Christianity	4

### Language dept. (Intermed. level)

*FRN 201/MLF 201 Int French I	4
*FRN 202/MLF 202 Int French II	4
*GRM 201/MLG 211 Int German I	4
*GRM 201/MLG 212 Int German II	4
*SPN 201/MLS 221 Int Spanish I	4
*SPN 202/MLS 222 Int Spanish II	4
*SPN 227a Spanish for Env Mgmt	3