



Math - Secondary Education



Transfer to Michigan

Interested in Secondary Education?

You can earn your teaching degree + certification from the University of Michigan in a total of Four Years! Secondary Education students will earn teacher certification for **Grades 6-12** in the subjects supported by coursework.

U-M will accept up to **70 credits** of Transferrable coursework

Secondary Education AA Degree

WCC Semester 1	Credits
ENG 111 Composition 1	4
ENG 181, 214. or 242	3
COM 101 Public Speaking	3
*Natural Science Elective	3
Elective/Additional Endorsement	3
Total Credits	16

WCC Semester 2	Credits
ENG 226 Composition 2	3
PSY 100 Intro to Psychology	3
^MTH 191 Calculus 1	5
*Natural Science Lab	4
Total Credits	15

WCC Semester 3	Credits
PSY 251 Education of Except. Child.	3
*Arts/Humanities Elective	3
^MTH 192 Calculus 2	4
Elective/Additional Endorsement	6
Total Credits	16

WCC Semester 4	Credits
PSY 220 Human Dev. & Learning	4
SBS Rst. Elective: HST 121-123, 201. or 202	3
^MTH 293 Calculus 3	4
Elective/Additional Endorsement	3
Total Credits	14

U-M Semester 5	Credits
MATH 486 Concepts of Secondary Math	3
Elective/Additional Endorsement	12
Total Credits	15

U-M Semester 6	Credits
EDUC 3XX/4XX Education Sequence	10
Elective/Additional Endorsement	5
Total Credits	15

U-M Semester 7	Credits
EDUC 3XX/4XX Education Sequence	9
EDUC 412 Math Inst. in Middle Schools	3
Elective/Additional Endorsement	3
Total Credits	15

U-M Semester 8	Credits
EDUC 3XX/4XX Education Sequence	13
EDUC 416 Teaching with Curr. Materials [Student Teaching Semester]	2
Total Credits	15

Students must complete at least 60 credits at U-M to obtain a bachelor's degree.

Total Credits	15
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General Studies AA Degree

WCC Semester 1	Credits
ENG 111 Composition 1	4
COM 101 Public Speaking	3
*Natural Science Elective	3
*Social & Behavioral Science Elective	3
Elective/Additional Endorsement	3
Total Credits	16

WCC Semester 2	Credits
ENG 226 Composition 2	3
^MTH 191 Calculus 1	5
*Natural Science Lab	4
*Social & Behavioral Science Elective	3
Total Credits	15

WCC Semester 3	Credits
*Arts/Humanities Elective	3
^MTH 192 Calculus 2	4
*Social & Behavioral Science Elective	3
Elective/Additional Endorsement	6
Total Credits	16

WCC Semester 4	Credits
*Social & Behavioral Science Elective	3
^MTH 293 Calculus 3	4
Elective/Additional Endorsement	6
Total Credits	13

U-M Semester 5	Credits
MATH 486 Concepts of Secondary Math	3
Elective/Additional Endorsement	12
Total Credits	15

U-M Semester 6	Credits
EDUC 3XX/4XX Education Sequence	10
Elective/Additional Endorsement	5
Total Credits	15

U-M Semester 7	Credits
EDUC 3XX/4XX Education Sequence	9
^EDUC 412 Math Inst. in Middle Schools	3
Elective/Additional Endorsement	3
Total Credits	15

U-M Semester 8	Credits
EDUC 3XX/4XX Education Sequence	13
^EDUC 416 Teaching with Curr. Material: [Student Teaching Semester]	2
Total Credits	15

Students must complete at least 60 credits at U-M to obtain a bachelor's degree.

Total Credits	15
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Key:

BOLD = Required for WCC AA Degree
 ^ = Math Endorsement Coursework
 * = Transferrable options on back →

See Reverse side for Transferable Category coursework or Elective options

v. 04.18.23



WCC Course Selections

Approved for Transfer to University of Michigan

When making course selections, work closely with your WCC academic advisor to ensure choices meet intended requirements. Due to the nature of educator preparation programs, which are guided by state requirements, this list is subject to change.

Writing (Composition)	Cr.	Arts/Humanities Continued	Cr.	Natural Sciences	Cr.	Mathematics	Cr.	Social & Behavioral Sciences Cont.	Cr.
ENG 111 Composition I	4	ENG 181 African-American Lit.	3	BIO 107 Intro to Field Biology	3	MTH 148 Math for Elem Teachers I	4	PLS 220 Politics and the Media	3
ENG 226 Composition II	3	ENG 200 Shakespeare	3	BIO 212 Pathophysiology	4	MTH 149 Math for Elem Teachers II	4	PLS 241 Guns, God & Ganja	3
2nd Writing (Comp.) or Communication		ENG 213 World Literature I	3	ENV 105 Intro to Enviro. & Society	3	MTH 160 Basic Statistics	4	PLS 250 Campaigns & Elections	3
COM 101 Fundam. of Speaking	3	ENG 214 Lit. of Non-West. World	3	GLG 103 Field Geology	3	MTH 191 Calculus I	5	PSY 100 Intro to Psychology	3
COM 102 Interpersonal Comm.	3	ENG 240 Children's Literature	3	GLG 110 Geo. of National Parks	3	MTH 192 Calculus II	4	PSY 150 Psychology of Work	3
COM 142 Oral Interp. of Literature	3	ENG 242 Multicultural Lit for Youth	3	GLG 125 The Earth Through Time	3	MTH 197 Linear Algebra	4	PSY 200 Child Psychology	3
COM 183 Persuasion	3	FLM 120 Introduction to Film	3	GLG 276 Principles of GIS	3	MTH 293 Calculus III	4	PSY 206 Life Span Dev. Psychology	4
COM 200 Family Communication	3	FLM 150 International Cinema	3	SCI 101 The Nature of Science	3	MTH 295 Differential Equations	4	PSY 210 Behavior Modification	3
COM 220 Small Group Comm.	3	FLM 160 American Film	3	Natural Science with Lab Experience				PSY 220 Human Dev & Learning	4
COM 225 Intercultural Comm.	3	FLM 185 The Horror Film	3	ANT 245 Biological Anthropology	4	Social & Behavioral Sciences		PSY 240 Drugs, Soc. & Hum. Beh.	3
ENG 111 Composition I	4	FRN 111 First Year French I	5	AST 111 General Astronomy	3	ANT 201 Intro to Cultural Anthro.	3	PSY 251 Educ. of Excep. Children	3
ENG 226 Composition II	3	FRN 122 First Year French II	5	BIO 101 Concepts of Biology	4	ANT 202 Intro to Physical Anthro.	3	PSY 257 Abnormal Psychology	3
Arts/Humanities		GDT 101 History of Graphic Design	3	BIO 102 Human Biology	4	ANT 205 Intro to Archaeology	3	PSY 296 Neuropsych. of Addiction	3
ARB 111 First Year Arabic I	5	GRM 111 First Year German I	5	BIO 109 Ess. of Human Anat/Phys	4	ANT 265 Intro to Forensic Anthro.	3	PSY 297 Asses. of Co-occurring Dis.	3
ARB 122 First Year Arabic II	5	GRM 122 First Year German II	5	BIO 111 Anat/Phys - Struc. & Func.	5	ECO 110 Intro to Economics	3	PSY 298 Treatment of Addiction	3
ART 130 Art Appreciation	3	HUM 101 Hum: Ancient to Med.	3	BIO 161 Gen. Bio I: Ecology & Evo.	4	ECO 211 Principles of Economics I	3	SOC 100 Principles of Sociology	3
ART 143 Afr. Am. Art & Culture	3	HUM 102 Hum: Renaiss. to Modern	3	BIO 162 Gen. Bio II: Cells & Molec.	4	ECO 222 Principles of Economics II	3	SOC 202 Criminology	3
ART 150 Monuments & Cultures	3	HUM 103 Hum: 20th Cen to Present	3	BIO 208 Genetics	4	ECO 280 Int'l Trade & Globalization	3	SOC 205 Race and Ethnic Relations	3
CHN 111 First Year Chinese I	5	HUM 145 Comparative Religions	3	BIO 215 Cell and Molecular Bio.	4	GEO 101 World Region. Geography	3	SOC 207 Social Problems	3
CHN 122 First Year Chinese II	5	HUM 146 Mythology	3	BIO 227 Biology of Animals	4	HST 108 Ancient & Med. World	3	SOC 225 Family Social Work	3
CHN 201 Second Year Chinese	4	HUM 175 Arts and Cultures of Islam	3	BIO 237 Microbiology	4	HST 109 The Early Modern World	3	SOC 250 Juvenile Delinquency	3
CHN 202 Second Year Chinese II	4	HUM 181 World Cul. Creativity For.	3	CEM 101 Introductory Chemistry	4	HST 121 Ancient & Med. Europe	3	<i>Students pursuing Secondary Education at the University of Michigan need 12 credits from each of the following categories:</i>	
COM 101 Fundam. of Speaking	3	JPN 111 Elementary Japanese I	5	CEM 105 Fund. of Chemistry	4	HST 122 Early Modern Europe	3	Category (need 2+ subjects in each)	Cr.
COM 102 Interpersonal Comm.	3	MUS 140 Music Theory I	3	CEM 111 General Chemistry I	4	HST 123 The Twentieth Century	3	Humanities	12
COM 130 Intro. to Mass Comm.	3	MUS 142 Music Theory II	3	CEM 122 General Chemistry II	4	HST 150 African American History	3	Natural Science/ Mathematics	12
COM 142 Oral Interp. of Literature	3	MUS 180 Music Appreciation	3	CEM 140 Organic Biochemistry	4	HST 200 Michigan History	3	Social Studies	12
COM 183 Persuasion	3	PHL 101 Intro to Philosophy	3	CEM 211 Organic Chemistry I	4	HST 201 US History to 1877	3	Have questions about Transferring to Michigan?	
COM 200 Family Communication	3	PHL 200 Existentialism	3	CEM 222 Organic Chemistry II	4	HST 215 Hist. of U.S. For. Relations	3	Contact: U-M SOE Admissions	
COM 220 Small Group Comm.	3	PHL 205 Ethics	3	ENV 101 Environmental Science I	4	HST 216 U.S. Military History	3	email: soeadmissions@umich.edu	
COM 225 Intercultural Comm.	3	PHL 241 Environmental Ethics	3	GLG 100 Intro to Earth Science	4	HST 220 Civil War Era, 1845 - 1877	3	Schedule an Appointment:	
DAN 180 Dance Appreciation	3	PHL 244 Eth/Leg Iss. in Hth. Care	3	GLG 104 Weather	4	HST 225 World War II	3	https://go.oncehub.com/embed	
DRA 180 Theatre Appreciation	3	PHL 250 Logic	3	GLG 114 Physical Geology	4	HST 230 History of the Holocaust	3		
ENG 140 Horror and Science Fict.	3	PHO 103 History of Photography	3	PHY 100 Physics for Elem Teachers	4	HST 251 War in the Modern World	3		
ENG 160 Intro to Lit: Poetry/Drama	3	SPN 111 First Year Spanish I	5	PHY 111 General Physics I	4	HST 260 Hist. of England to 1688	3		
ENG 170 Intro to Lit: Short Story	3	SPN 122 First Year Spanish II	5	PHY 122 General Physics II	4	HST 290 Int'l Studies in History	3		
		SPN 201 Second Year Spanish I	4	PHY 211 Analytical Physics I	5	PLS 112 Intro to American Gov.	3		
		SPN 202 Second Year Spanish II	4	PHY 222 Analytical Physics II	5				

- This list is not exhaustive when considering **elective coursework**. Other transferable electives can be found at: <https://transfercredit.ugadmiss.umich.edu/> but should not replace recommendations outlined on side 1.

Bold Headings = WCC AA degree categories
Color coding = U-M Gen. Studies categories