

Environmental Studies Minor -- Quarter to Semester Translation Table
Quarter Requirements (AY 2017-18)

Quarter Courses	Semester Course Equivalencies (Course is the same as the quarter course. This can be 1:1, 1:many, many:1, or many:many courses. Anywhere (for any program) which the quarter course was required or listed, this (these) semester course(s) can be used. This information will also be displayed in the course conversion guide. Repeat rules apply.)	Acceptable Semester Course Substitutions (Course is NOT the same as the semester course, but it is acceptable for this particular program requirement area for all students. This information WILL NOT be displayed in the course conversion guide, but will be reflected on the PAWS as a choice for the student. Repeat rules DO NOT apply.)	Acceptable Semester Course Repeats (If there is an equivalent semester course, this is the alternative course to allow for grade forgiveness/grade discounting.)	Quarter Units (Current number of units which are required for each requirement area.)	Semester Units (Number of semester units which will be required for each requirement area.)	Notes
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ENVS-MIN

Minor Requirements	Five units chosen from	BIOL 100 BIOL 202 HSCI 130	BIOL 1000, BIOL 1000L BIOL 2020 HSCI 1200, HSCI 1200L		5	4	Need Lecture and Lab	
	Five units chosen from	GEOS 103 GEO 101	GEOS 1030, GEOS 1040 GEOG 1000, GEO 1000L		5	4	Need Lecture and Lab	
	Required courses	GEOS 301 GEOS 350		GEOS 2000 GEOG 1501, GEOS 3520	4 4	3 3		
	Four units chosen from	ECON 360 HSCI 478	ECON 3103 HSCI 4578	ANTH 3607, COMM 3227 (Topic: Environmental Communication), ECON 3740, GEOS 3520, GEOS 3701, GEOS 4710, HIST 4950, PSCI 3420, BIOL 3010, CHEM 3100, ENG 3400, ENG 3410.	4	3		
	A minimum of 12 units chosen from the following	BIOL 489				12	3	Inator, a student can choose other courses, besides
		BIOL 490						
		ECON 360	ECON 3103		GEOS 4300			
		GEOS 302	GEOS 2300					
		GEOS 305	GEOS 3018					
		GEOS 360	GEOS 3300					
		GEOS 365	GEOS 4360					
		GEOS 370	GEOS 4300	GEOS 4400, GEOG 4651				
GEOS 470		GEOS 4250						
GEO 112		GEOG 2600						
GEO 175	GEO 1700							
HSCI 352	HSCI 3202							
HSCI 401	HSCI 4501							
HSCI 478	HSCI 4578							
Total					34	20		

B.A. in Environmental Studies Track A -- Quarter to Semester Translation Table
Quarter Requirements (AY 2017-18)

		Quarter Courses	Semester Course Equivalencies (Course is the same as the quarter course. This can be 1:1; 1:many; many:1; or many:many courses. Anywhere (for any program) which the quarter course was required or listed, this (these) semester course(s) can be used. This information will also be displayed in the course conversion guide. Repeat rules apply.)	Acceptable Semester Course Substitutions (Course is NOT the same as the semester course, but it is acceptable for this particular program requirement area for all students. This information WILL NOT be displayed in the course conversion guide, but will be reflected on the PAWS as a choice for the student. Repeat rules DO NOT apply.)	Acceptable Semester Course Repeats (If there is an acceptable semester course equivalency, this is the alternative course to allow for grade forgiveness/grade discounting.)	Quarter Units (Current number of units which are required for each requirement area.)	Semester Units (Number of semester units which will be required for each requirement area.)	Notes	
ENVA									
Lower Division Requirements	Required courses	BIOL 100 CHEM 205 GEOG 201	BIOL 1000, BIOL 1000L CHEM 2050, CHEM 2050L			5	4		
	A minimum of fourteen units chosen from	ANTH 100	ANTH 1001	GEOG 2000		4	3		
		CHEM 206	CHEM 2060, CHEM 2060L						
		GEOG 103	GEOG 1030, GEOG 1040						
		GEOG 101	GEOG 1000, GEOG 1000L			14	3		
		HSCI 120 PHYS 100 or PHYS 121	HSCI 1200, HSCI 1200L PHYS 1000 or PHYS 2000						
Upper Division Requirements	Required courses	GEOG 350 GEOG 500	GEOG 3050 GEOG 5000			4 2	3 2		
	One course chosen from	BIOL 349 GEOG 370	GEOG 4300			4-5	4		
	One course chosen from	ECON 360 HSCI 478	ECON 3103 HSCI 4578			4	3		
	Four units chosen from	GEOG 304	GEOG 4880	GEOG 4750		4	4		
		GEOG 406	GEOG 4880						
	One course chosen from	GEOG 360 GEOG 365	GEOG 3300 GEOG 4360			4	3		
	One course chosen from	GEOG 480 GEOG 312	GEOG 4400 GEOG 2500			4	3		
	One course chosen from	GEOG 305 MATH 185	GEOG 3018 MATH 1201			4	3		
	Electives (A minimum of 20 units chosen from Groups 1 and 2 -- students must take at least two courses from each of the groups provided that none have been used elsewhere to meet requirements of this major.)	Group 1	ECON 360	ECON 3103	GEOG 3045		20	6	Students must take at least one course from Group 1 and Group 2 provided that none have been used elsewhere to meet requirements of this major. In consultation with the environmental studies coordinator, a student can choose other courses, besides those listed below, to meet the elective requirement.
			GEOG 370	GEOG 4300					
GEOG 415									
GEOG 470			GEOG 4250						
GEOG 480			GEOG 4400						
GEOG 312			GEOG 2500						
HSCI 322			HSCI 3522						
HSCI 352			HSCI 3202						
Group 2		HSCI 401	HSCI 4501						
		HSCI 342	HSCI 3420						
		GEOG 202	GEOG 2250	GEOG 4750					
		GEOG 304							
		GEOG 308	GEOG 3710						
		GEOG 402	GEOG 4860						
		GEOG 406	GEOG 4880						
		GEOG 301	GEOG 3100						
HSCI 324	HSCI 3522								
HSCI 478	HSCI 4578								
Total						78-79	45		

B.A. in Environmental Studies Track B -- Quarter to Semester Translation Table
Quarter Requirements (AY 2017-18)

		Quarter Courses	Semester Course Equivalencies (Course is the same as the quarter course. This can be 1:1; 1:many; many:1; or many:many courses. Anywhere (for any program) which the quarter course was required or listed, this (these) semester course(s) can be used. This information will also be displayed in the course conversion guide. Repeat rules apply.)	Acceptable Semester Course Substitutions (Course is NOT the same as the semester course, but it is acceptable for this particular program requirement area for all students. This information WILL NOT be displayed in the course conversion guide, but will be reflected on the PAWS as a choice for the student. Repeat rules DO NOT apply.)	Acceptable Semester Course Repeats (If there is an acceptable semester course equivalency, this is the alternative course to allow for grade forgiveness/grade discounting.)	Quarter Units (Current number of units which are required for each requirement area.)	Semester Units (Number of semester units which will be required for each requirement area.)	Notes
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ENVB

Lower Division Requirements	Required courses	BIOL 200	BIOL 2010			5	5	
		BIOL 201	BIOL 2010Z			5	2	
		BIOL 202	BIOL 2020 or BIOL 2020Z			5	5	
		CHEM 215	CHEM 2100, CHEM 2100L			6	4	
		CHEM 216	CHEM 2200, CHEM 2200L			6	4	
Five units chosen from	PHYS 100	PHYS 1000			5	3		
	PHYS 121	PHYS 2000			5	4		
	CHEM 345	CHEM 3200			4	3		
	GEOG 350	GEOG 3500			2	2		
	GEOG 500	GEOG 5000			4	3		
Upper Division Requirements	Required courses	ECON 360	ECON 3103			4	3	
		HSCI 478	HSCI 4578			4	3	
	One course chosen from	GEOG 304	GEOG 4880	GEOG 4750		4	4	may be substituted for former GEOG 304 course only in the
		GEOG 406	GEOG 4880					
	Four units chosen from	GEOG 360	GEOG 3300			4	3	
		GEOG 365	GEOG 4360					
	One course chosen from	GEOG 480	GEOG 4400			4	3	
		GEOL 312	GEOL 2500			4	3	
	One course chosen from	GEOG 305	GEOG 3018			4	3	
		MATH 165	MATH 1201					
Total						63	48	

Electives -- a minimum of 16 units chosen from one of the following Groups 1 or 2:

Group 1	Required course	GEOG 370	GEOG 4300			4	0-4	may take as elective
	Five units chosen from	BIOL 450	BIOL 3800			5	0-4	may take BIOL 3800 as elective, BIOL 455 deactivated
		BIOL 455						
	A minimum of seven units chosen from	BIOL 319	BIOL 3520					
		CHEM 221A	CHEM 2400					
		CHEM 221B	CHEM 2400L					
		CHEM 222A	CHEM 2500					
		CHEM 222B	CHEM 2500L					
		CHEM 221B	CHEM 2500L					
		GEOG 103 or GEOL 101	GEOG 1030 or GEOL 1000, and GEOG					
HSCI 352		HSCI 3202						
HSCI 401	HSCI 4501							
Total						16	4	

Group 2	Required course	CHEM 221A	CHEM 2400			3	0-3	may take as elective
		CHEM 221B	CHEM 2400L			1	0-1	may take as elective
		CHEM 222A	CHEM 2500			3	0-3	may take as elective
		CHEM 222B	CHEM 2500L			1	0-1	may take as elective
	A minimum of eight units chosen from	BIOL 319	BIOL 3520					
		GEOG 370	GEOG 4300					
		BIOL 450 or BIOL 455	BIOL 3800					
		GEOG 103 or GEOL 101	GEOG 1030 or GEOL 1000, and GEOG					
		GEOL 322	GEOL 3220					
		HSCI 352	HSCI 3202					
HSCI 401	HSCI 4501							
Total						16	4	

Note: 52 Semester Units Total Required for Environmental Studies BA with Concentration in Environmental Systems (Formerly Environmental Studies Track B, ENVB)

Geographic Information Systems Certificate -- Quarter to Semester Translation Table
Quarter Requirements (AY 2017-18)

		Quarter Courses	Semester Course Equivalencies (Course is the same as the quarter course. This can be 1:1; 1:many; many:1; or many:many courses. Anywhere (for any program) which the quarter course was required or listed, this (these) semester course(s) can be used. This information will also be displayed in the course conversion guide. Repeat rules apply.)	Acceptable Semester Course Substitutions (Course is NOT the same as the semester course, but it is acceptable for this particular program requirement area for all students. This information WILL NOT be displayed in the course conversion guide, but will be reflected on the PAWS as a choice for the student. Repeat rules DO NOT apply.)	Acceptable Semester Course Repeats (If there is an acceptable semester course equivalency, this is the alternative course to allow for grade forgiveness/grade discounting.)	Quarter Units (Current number of units which are required for each requirement area.)	Semester Units (Number of semester units which will be required for each requirement area.)	Notes
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Geographic Information Systems

Certificate Requirements	Required courses	GEOG 201		GEOG 1000		4	3	
				GEOG 202	GEOG 2250			5
		GEOG 308	GEOG 3710			5	4	
		GEOG 315	GEOG 3730			4	3	
				GEOG 4850, GEOG 4870		5	4	Students can take any courses in the Acceptable Semester Substitution column to substitute for the courses in the Quarter Courses column.
		GEOG 402	GEOG 4860					
	A minimum of eight units chosen from	GEOG 306	GEOG 4880	GEOG 4850, GEOG 4870		8-9	7-8	able Semester Substitution column to substitute for
		GEOG 406						
		GEOG 5750-E	GEOG 5753					
					Total	31-32	25-26	

Geography - Global Studies Minor -- Quarter to Semester Translation Table
Quarter Requirements (AY 2017-18)

		Quarter Courses	Semester Course Equivalencies (Course is the same as the quarter course. This can be 1:1; 1:many; many:1; or many:many courses. Anywhere (for any program) which the quarter course was required or listed, this (these) semester course(s) can be used. This information will also be displayed in the course conversion guide. Repeat rules apply.)	Acceptable Semester Course Substitutions (Course is NOT the same as the semester course, but it is acceptable for this particular program requirement area for all students. This information WILL NOT be displayed in the course conversion guide, but will be reflected on the PAWS as a choice for the student. Repeat rules DO NOT apply.)	Acceptable Semester Course Repeats (If there is no semester course equivalency, this is the alternative course to allow for grade forgiveness/grade discounting.)	Quarter Units (Current number of units which are required for each requirement area.)	Semester Units (Number of semester units which will be required for each requirement area.)	Notes
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G EGL-MIN

Minor Requirements	Required courses	GEOG 103	GEOG 1030			4	3	
		SSCI 165	GEOG 1650			4	3	
	GEOG 303	GEOG 2200			4	3		
	GEOG 312	GEOG 4060			4	3		
	GEOG 313	GEOG 4070			4	3		
	Eight units chosen from any upper-division courses lists in the Geography: Global Studies major	GEOG				8	12	
Total						28	27	

Geography Minor -- Quarter to Semester Translation Table
Quarter Requirements (AY 2017-18)

Quarter Courses	Semester Course Equivalencies <small>(Course is the same as the quarter course. This can be 1:1; 1 many: many; 1; or many many courses. Anywhere (for any program) which the quarter course was required or listed, this (these) semester course(s) can be used. This information will also be displayed in the course conversion guide. Repeat rules apply.)</small>	Acceptable Semester Course Substitutions <small>(Course is NOT the same as the semester course, but it is acceptable for this particular program requirement area for all students. This information WILL NOT be displayed in the course conversion guide, but will be reflected on the PAWS as a choice for the student. Repeat rules DO NOT apply.)</small>	Acceptable Semester Course Repeats <small>(If there is no semester course equivalency, this is the alternative course to allow for grade forgiveness/grade discounting.)</small>	Quarter Units <small>(Current number of units which are required for each requirement area.)</small>	Semester Units <small>(Number of semester units which will be required for each requirement area.)</small>	Notes
GEOG-MIN						
Minor Requirements	Required courses GEOG 100 GEOG 103	GEOG 1010	GEOG 1000, GEOG 1650	4	3	Students can also take GEOG 1000 or GEOG 1650 to substitute for GEOG 1010
		GEOG 1030, GEOG 1040		5	4	
	Twenty units chosen from any geography and environmental studies courses, of which at least fifteen must be upper-division	6 units chosen from: GEOG 3020 GEOG 3030 GEOG 3040 GEOG 3050 GEOG 3055 GEOG 3045		20	6	
		3 units chosen from: GEOG 3065 GEOG 4050 GEOG 4055 GEOG 4060 GEOG 4070			3	
		Minimum 3 units chosen from: GEOG 3800 GEOG 3500 GEOG 3501 GEOG 3520 GEOG 3701 GEOG 4250 GEOG 4300 GEOG 4360 GEOG 4400 GEOG 4651 GEOG 4710 GEOG 4750			3	
Total				29	19	

B.A. in Geography - Geography Option -- Quarter to Semester Translation Table
 Quarter Requirements (AY 2017-18)

	Quarter Courses	Semester Course Equivalencies (Course is the same as the quarter course. This can be 1:1; 1:many; many:1; or many:many courses. Anywhere (for any program) which the quarter course was	Course Substitutions (Course is NOT the same as	Course Repeats if there is no semester course	Quarter Units (Current number of units which are	Semester Units (Number of semester units which will be	Notes		
GEOG									
Lower Division Requirements	Required courses	GEOG 100	GEOG 1010	GEOG 1005		4	3		
		GEOS 103	GE OG 1030, GE OG 1040			5	4		
		GEOG 202		GEOG 2000		4	3		
		GEOG 205	GE OG 2250			5	4		
Upper Division Requirements	Required courses	GEOG 305	GE OG 3018			4	3		
		GEOG 500	GE OG 5000			2	2		
		GEOS 307	Course canceled						
		GEOG 320	GE OG 3020	SSCI 3000 or SSCI 3001, GE OG 4030, GE OG 3045, GE OG 3060, GE OG 3065, GE OG 4050, GE OG 4450			12	9	Students can take the courses in the Acceptable Semester Substitution column to substitute for the courses in the Quarter Courses column.
Upper Division Requirements	Twelve units chosen from	GEOG 322	GE OG 4055						
		GEOS 355	GE OG 3500						
		GEOG 420	GE OG 3550						
		GEOG 415 or GE OG 440	GE OG 415 canceled. GE OG 3040 is the semester course equivalency of GE OG 440						
Upper Division Requirements	Twelve units chosen from	GEOG 304	Course canceled						
		GEOG 360 or GE OG 365	GE OG 3300 or GE OG 4360	GE OG 3500, GE OG 3501, GE OG 3520, GE OG 3701, GE OG 4651, GE OG 4710, GE OG 4730			12	10	Students can take any courses in the Acceptable Semester Substitution column to substitute for the courses in the Quarter Courses column.
		GEOG 370	GE OG 4300						
		GEOG 470	GE OG 4200						
Upper Division Requirements	Eight units chosen from	GEOG 480	GE OG 4400						
		GEOG 312	GE OG 4060				8	6	Students can take any courses in the Acceptable Semester Substitution column to substitute for the courses in the Quarter Courses column.
		GEOG 313 or GE OG 323	GE OG 4070 is the semester course equivalency of GE OG 313; GE OG 323 canceled. 3						
		GEOG 306	GE OG 4880						
Upper Division Requirements	Eight units chosen from	GEOG 406		GE OG 4850, GE OG 4870					
		GEOG 308	GE OG 3710				8	7	Students can take any courses in the Acceptable Semester Substitution column to substitute for the courses in the Quarter Courses column.
		GEOG 315	GE OG 3730						
		GE OG 402	GE OG 4860						
Upper Division Requirements	Four units of upper-division course work in geography except GE OG 300 and GE OG 313 which cannot count for the Geography major	GE OG 300-599	No courses are required on the Semester System				4		
		Total					68	51	

B.A. in Geography - Global Studies Option -- Quarter to Semester Translation Table
Quarter Requirements (AY 2017-18)

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GEGL								
Lower Division Requirements	Required courses	GEOG 103	GEOG 1030			5	3	Lecture only no lab included in this listing
		GEOG 303	GEOG 2202			4	4	
		PSCI 204 SSCI 165	PSCI 2040 GEOG 1650			4 4	3 3	
Upper Division Requirements	Required courses	GEOG 303	GEOG 2202			4	3	
		GEOG 305	GEOG 3018			4	3	
		GEOG 312	GEOG 4060			4	3	
		GEOG 313 GEOG 350	GEOG 4070 GEOG 3500			4 4	3 3	
Upper Division Electives	Four units chosen from	ANTH 341	ANTH 3610			4	3	
		ANTH 472	ANTH 4606T					
	Four units chosen from	ECON 430	ECON 3318					
		ECON 450 GEOG 420	no equivalent course GEOG 3050		ECON 3150	4	3	
	Four units chosen from	HSCI 344	HSCI 3644			4	3	
		HSCI 359	HSCI 3203					
	Four units chosen from	PSCI 300	PSCI 3000			4	3	
		PSCI 306	PSCI 3060					
	Four units chosen from	PSCI 400	PSCI 4000			4	3	
		GEOG 320	GEOG 3020					
	Eight units chosen from other university courses, or from courses not taken in the upper division electives. These courses must have an international or world regions perspective and must be chosen in consultation with a departmental advisor.					8	12	
Total						65	55	