MINORS

A minor consists of at least 15 semester hours, with no fewer than nine credits at the 3000 level or higher. A student cannot major and minor in the same field or acquire a minor that is not allowed by the degree program. In programs that require a minor, courses may not be used to fulfill both the major and minor requirements. Courses that count towards a student’s major, but are outside the major’s course rubric, may also be used to fulfill minor requirements. Students are encouraged to contact the department offering the minor for advising. Specific requirements are detailed below.

Fulfilling Course Prerequisites
A number of courses in the minors have prerequisite courses. Students should select a minor and take any prerequisite courses as early as possible in their academic careers. Please consult individual course listings for prerequisites.

Accounting (18 credits minimum)
A minor in Accounting requires ACCT 2100, 3110, 3120, and nine hours selected from 3000- or 4000-level accounting courses. Students planning to pursue the Master of Professional Accountancy degree program should select courses in consultation with the school’s graduate coordinator.

Adult/Extension Education (15 credits minimum)
A minor in Adult/Extension Education requires AGED 4030, 4400, and nine additional credits selected from the following: AGED 4070, 4280, EDF (AGED) 4820, PRTM 3080.

Aerospace Studies (24 credits minimum)
A minor in Aerospace Studies requires AS 1090, 1100, 2090, 2100, 3090, 3100, 4090, and 4100. Completion of AS Leadership Laboratory and participation in cadet activities are mandatory. Students must compete for an allocation and be accepted into the Professional Officer Course before enrolling in AS 3090.

Agricultural Business Management (15 credits minimum)
A minor in Agricultural Business Management requires AGRB 3020, 3080, 3190, and at least two courses selected from AGRB 3510, 4020, 4080, 4090, 4520, 4560, 4600.

Agricultural Mechanization and Business (15 credits minimum)
A minor in Agricultural Mechanization and Business requires six credit hours selected from AGM 2050, 2060, 2210, 2220, 3010, AGED 3030; and nine credit hours from AGM 4020, 4050, 4060, 4100, 4520, 4600, 4720.

American Sign Language Studies (15 credits minimum)
A minor in American Sign Language Studies requires 15 credit hours in ASL at the 3000 or 4000 level.

Animal and Veterinary Sciences (15 credits minimum)
A minor in Animal and Veterinary Sciences requires AVS 1500 and 1510; one course selected from AVS 2000, 2010, 2030, 2040, 2060, 2090, 2110, 3020, 3090, 3110, 3230, 4050, or 4550; and nine additional hours selected from any 3000- or 4000-level AVS courses. A maximum of three credits of AVS 3600, 3900, 4410, 4420, 4430 or 4910 may be used.

Anthropology (18 credits minimum)
A minor in Anthropology requires ANTH 2010 and at least six hours selected from ANTH 3100, 3310, (BIOL) 3510, LANG (ANTH) 3710. Nine additional hours may be selected from any other Anthropology course, but at least three hours must be from a 4000-level course. No more than three credits of ANTH 4960 may be counted toward the minor.

Architecture (15 credits minimum)
A minor in Architecture requires ARCH 1010, 4710, 4720, and DSGN 3700. ARCH 4710, 4720, and DSGN 3700 are only offered during the summer at study abroad locations.

Art (15 credits minimum)
A minor in Art requires ART 1030, 1510 or 1520; AAH 1010, 1020 or ART 2100; at least six hours of ART or AAH courses at the 2000 level or above; and at least three hours of ART or AAH courses at the 3000 or 4000 level.

Athletic Leadership (17 credits minimum)
A minor in Athletic Leadership requires 17 credit hours arranged as follows: AL 3490, 3500, 3530, 3610, 3620, 3760, and of the following: AL 3710, 3720, 3730, 3740, 3750, 3770. Students must complete a coaching internship or athletic administrative internship (AL 4000) with the approval of the Athletic Leadership Coordinator.

Biochemistry (15 credits minimum)
A minor in Biochemistry requires three credits of GEN 3000 or 3020, three credits of BCHM 3010 or 3050 and nine credits of 4000 level Biochemistry courses.

Biological Sciences (20 credits minimum)
A minor in Biological Sciences requires either BIOL 1030/1050 or BIOL 1100; and either 1040/1060 or 1110; plus 12 additional credits selected from BIOL courses at the 3000 level or above, BCHM 3050, GEN 3000, or MICR 3050.

Brand Communications (15 credits minimum)
A minor in Brand Communications requires COMM 3700 and 3760; and nine additional credits selected from COMM 3560, 3710, 3720, 3730, or 3740.

British and Irish Studies (15 credits minimum)
A minor in British and Irish Studies requires 15 credits at the 3000-4000 level, with at least six credits selected from Group I, at least six credits selected from Group II, and the remaining three credits selected from either group at the student’s option. Group I—HIST 3610, 3630, 3650, 3670, 4200 Group II—ENGL 3960, 3970, 4070, 4080, 4100, 4110, 4140, 4150, 4160, 4170, 4180, 4190, 4330, 4440.

Business Administration (21 credits minimum)
A minor in Business Administration requires ACCT 2010, ECON 2110, 2120, FIN 3060, LAW 3220, MGT 2010, MKT 3010. Please note that ECON 2120 requires ECON 2110 as a prerequisite. Also, FIN 3060 has prerequisites of ACCT 2010 and a statistics course. See FIN 3060 course description for courses that currently fulfill the statistics requirement. Additionally, these statistics courses may have prerequisites of their own. MKT 3010 requires one of ECON 2000, 2110, 2120 or any 2000-level AGRB class as a prerequisite.

Chemistry (23 credits minimum)
A minor in Chemistry requires CH 1010, 1020, and 15 additional credits in Chemistry, at least nine of which must be at the 3000 or 4000 level, selected in consultation with the Department of Chemistry.

Chinese Studies (15 credits minimum)
A minor in Chinese Studies requires 15 credits selected from 3000- and 4000-level CHIN courses, including CHIN 3050 and 3060 and at least one 4000-level literature course.

Cluster (15 credits minimum)
The Cluster minor allows students a somewhat wider choice of course materials than is possible with the conventional subject-matter minor. The general requirement for the Cluster minor is 15 credits in courses numbered higher than 3000, except where noted differently, chosen according to one of the plans below. Courses within the student’s major course rubric may not be included in the Cluster minor.

Group I—Social Sciences: anthropology, economics, geography, history, justice studies, political science, psychology, sociology

Group II—Life Sciences: biochemistry, biological sciences, genetics, microbiology

Group III—Physical Sciences: chemistry, geology, physics

Group IV—Engineering: courses in all engineering majors plus engineering mechanics and engineering graphics

No course in the 1000 series is acceptable toward the minor and not more than six hours in the 2000 series are acceptable.

Communication Studies (16 credits minimum)
A minor in Communication Studies requires completion of one of the following options:

General—COMM 2010 (with a C or better) and 12 additional credits in communication studies at the 3000 level or higher.

Sports Communication—COMM 2010 (with a C or better) and 12 additional credits in sports communication selected from COMM 3240, 3250, 3260, 3270, 4250, 4260, 4270 or 4280.

Computer Science (16 credits minimum)
A minor in Computer Science requires CPSC 2120 and 12 additional credits in computer science of which at least nine credits must be at the 3000 level or higher.

*Note: Nine credits at the 3000/4000 level are not required for a minor in Art, as approved by the University Undergraduate Curriculum Committee 2010.
Creative Writing (15 credits minimum)
A minor in Creative Writing requires 15 credits, consisting of the following: three credits selected from ENGL 3450, 3460, 3470 or 3480; six credits selected from ENGL 4450, 4460, 4470, or 4480; three credits selected from ENGL 4220 or 4230; and three credits selected from ENGL 3560, 4190, 4260, 4280, 4310, 4320, 4650, or 4830.

Crop and Soil Environmental Science (16 credits minimum)
A minor in Crop and Soil Environmental Science requires PES 1040, 2020, and nine or more PES credits at the 3000 level or higher.

Digital Production Arts (15 credits minimum)
A minor in Digital Production Arts requires DPA 3070 and completion of one of the following options:
Group I (for Architecture or Visual Arts majors)—DPA 4000, 4010 and six credits selected from CIPSC 4040, 4050, 4160, PKSC 2200, 3200, THEA 2880, 4870, 4970.
Group II (for Computer Science, Computer Engineering, and Computer Information Systems majors)—DPA 4020, 4030, and six credits selected from ART 2050, 2130, 4210, GC 3400, PKSC 2200, 3200, THEA 2880, 4870, 4970.
Group III (for all other majors)—DPA 4020, 4010, 4020, and three credits selected from CIPSC 4040, 4050, 4160, PKSC 2200.

East Asian Studies (15 credits minimum)
A minor in East Asian Studies requires 15 credits, of which at least six credits must be at the 4000 level, distributed as follows: three credits from Group I, six additional credits selected from Group I or from Group II, and six credits from Group III:
Group I—CHIN (ANTH) 4180, HIST 3340, JAPN (ANTH) 4170, POSC 3720
Group II—HIST 3300, 3330, PHIL (CHIN) 3120, (CHIN) 3130, POSC 4720, 4770, REL 3140, or any other approved courses from department list
Group III—EAS 1230, JAPN 4010, 4990, any Chinese or Japanese language course, or any other approved courses selected from department list
Courses in Groups II and III must represent a combination of Chinese and Japanese courses.

Economics (15 credits minimum)
A minor in Economics requires ECON 3140, 3150, and nine additional credits from economics courses numbered 3000 or higher. Please note that ECON 3140 and 3150 have ECON 2110 and ECON 2120 as prerequisites. Some 3000-level elective classes may have additional prerequisites. See course descriptions for detailed prerequisite information.

English (15 credits minimum)
A minor in English requires 15 credits in English above the sophomore level, arranged as follows:
Critical Writing About Literature—ENGL 3100
British—Three credits from ENGL 3960, 3970, 4070, 4080, 4100, 4140, 4150, 4160, 4170, 4180, 4330, 4440
American—Three credits from ENGL 3980, 3990, 4200, 4210, 4250, 4260, 4550
Electives—Six additional credits above the sophomore level, including at least three from the 4000 level

Entomology (16 credits minimum)
A minor in Entomology requires ENT (BIOL) 3010 and 12 credits selected from ENT or IPM courses at the 3000 level or higher.

Entrepreneurship (15 credits minimum)
A minor in Entrepreneurship consists of 15 credits including the following: ELE 3010 and MGT (ENE) 3150. Nine credit hours from the following courses are also required: ECON (ENE) 3210, ELE 4010, 4990, MGT 4970, MKT (ENE) 3460, MKT 4200, 4250, 4360, 4370, 4380, 4390, SOC (ENE, PSY) 3560. Note: Not open to business majors, except those pursuing a BA in Economics.

Environmental Science and Policy (18 credits minimum)
A minor in Environmental Science and Policy requires at least 18 credits including ENSP 2000, 4000, and at least 12 credits from the following:
Group I—Science and Engineering: at least six credits selected from BIOL 4100, 4140, 4420, 4430, 4460, CH 4130, EES 4010, 4020, 4300, 4850, ENT 3000, ETOX 4000, 4210, 4300, FOR 2060, PES 2020, (BE) 4080, 4900, WFB 4140
Group II—Resource Management: at least two credits selected from AGRB 3570, BE 4640, ECON 3190, EES (BE) 4840, FOR 4060, GEOL 3000, MSE 4330, PES (ENSP) 3150, (BIOL) 3130, 3500, 4120, 4620
Group III—Environmental Policy and Social Impacts: at least two credits selected from ENSP 4720, HIST 3920, HLTH 4310, PHIL 3450, RS (SOC) 4010, WFB 4300

Equine Industry (15 credits minimum)
A minor in Equine Industry requires AVS 1500 and 1510; three hours from any 3000- or 4000-level AVS courses; and eight additional hours from AVS 2040, 2050, 2080, 3090, 3850, 4120, 4610, or 4710.

Film Studies (15 credits minimum)
A minor in Film Studies requires 15 credits in ENGL at or above the sophomore level, arranged as follows: ENGL 3570, 4500, (COMM) 4510, 4520; and one of the following: ART 2130, 3130, ENGL 3480, (THEA) 4300, ENGL 4530, 4590, 4830, or other course approved by the departmental Director of Undergraduate Studies.

Financial Management (18 credits minimum)
A minor in Financial Management requires FIN 3050, 3070, 3080, 3120, and either FIN 3060 or 3110. Please note that both FIN 3060 and 3110 have prerequisites of ACCT 2110 and a statistics course. See course descriptions for courses that currently fulfill the statistics requirement. Additionally, these statistics courses may have prerequisites of their own. All of the other FIN courses required for the minor require either FIN 3060 or 3110 with a C or better as a prerequisite.

Food Science (15 credits minimum)
A minor in Food Science requires FDSC 2140, 4010, and nine additional credits in FDSC or NUTR courses numbered 3000 or higher.

Forest Products (15 credits minimum)
A minor in Forest Products requires 15 credits, which must include at least four courses selected from FOR 3410, 4410, 4420, 4440, 4470. Other courses at the 3000 level or above may be selected with a Forest Products advisor’s approval.

Forest Resource Management (15 credits minimum)
A minor in Forest Resource Management requires FOR 2250, 2060, and at least ten additional credits of forestry courses at the 3000 level or higher, excluding FOR 4190 and 4470.

French Studies (15 credits minimum)
A minor in French Studies requires 15 credits of 3000- and 4000-level FR courses, including FR 3050 and at least one 4000-level literature course. FR 4380 and 4390 may not be used to satisfy requirements for the French Studies minor.

Gender, Sexuality and Women’s Studies (15 Credits minimum)
A minor in Gender, Sexuality and Women’s Studies requires 15 credits with no more than three credits at the 1000 level, selected in consultation with the Gender, Sexuality and Women’s Studies Coordinator.

Genetics (15 credits minimum)
A minor in Genetics requires three credits of GEN 3000 or 3020, three credits of BCHM 3010 or 3050, and nine credits of 4000 level Genetics courses.

Geography (18 credits minimum)
The Geography minor consists of three credits of geography at the 3000 level and 15 credits of geography at the 3000 or 4000 level. At least one 4000-level geography course must be taken. One of the following courses may be taken as part of the 15-credit, upper-level requirements but may not be substituted for the required 4000-level geography course: BIOL 4420, SOC 4710.

Geology (20 credits minimum)
A minor in Geology requires GEOL 1010/1030, 2020, and 12 additional credits in geology, at least nine of which must be drawn from 3000-4000 level geology courses.

German Studies (15 credits minimum)
A minor in German Studies requires 15 credits of 3000- and 4000-level GER courses, including at least one 3000- or 4000-level literature course and one 3000- or 4000-level film or culture course.

Global Politics (18 credits minimum)
A minor in Global Politics requires POSC 1020 or 1040, 3610; and 12 additional credits chosen from the list below. At least three of these credits must be from Group I and at least three credits must be from Group II:
Group I—Comparative Politics: POSC 3710, 3720, 4660, 4710, 4760, 4770, (LANG) 4850
Group II—International Relations: POSC 3620, 3630, 3750, 4280, 4290, 4470, 4480, 4560, 4570, 4590, 4610
With the approval of the Political Science department, a maximum of three credits from POSC 3050, 3110, 3130, or 4100 also may be applied toward a Global Politics minor. Students majoring in Political Science may not minor in Global Politics.
Great Works (18 credits minimum)
The Great Works minor requires GW (ENGL) 3010 plus one course from each of the following groups. A minimum of nine credits must be at the 4000 level.

Group I—Classical Civilization: Three credits from ENGL 4300, (THEA) 4290, (COMM) 4910, HIST 3540, 3550, 4500, PHIL 3150

Group II—Post-Classical Literature: Three credits from ENGL 4080, 4110, 4140, 4160, FR 4000, GW 4030, SPAN 3130, 4010

Group III—Philosophy, Religion, and Social Thought: Three credits from ENGL 3500, HIST 4950, PHIL 3160, 3170, POSC 4500, REL 3010, 3020, 4010

Group IV—The Arts: Three credits from AAH 4230, 4240, HUM 3010, 3020, MUSC 4150, 4160, THEA 3150, 3160

Group V—The Sciences: BIOL 4860, ENGL 4340, GW 4020, 4050

History (15 credits minimum)
A minor in History requires 15 credits in history at the 3000 and 4000 level. Three credits at the 4000 level must be included.

Horticulture (15 credits minimum)
A minor in Horticulture requires HORT 1010 and 12 additional credits of horticulture courses (excluding HORT 4080 and 4710), nine credits of which must be at the 3000 level or higher. HORT 2710 is highly recommended.

Human Resource Management (15 credits minimum)
A minor in Human Resources Management requires 15 credit hours, including MGT 3070, 4000, 4310 and 4350, and three additional credit hours selected from MGT 4160 or 4250.

International Engineering and Science (15 credits minimum)
The minor in International Engineering and Science is open to students in any major in the College of Engineering, Computing and Applied Sciences or the College of Science, and requires

1. Completion of a modern language through at least 2020 and
2. Either (a) nine credits of engineering or science courses at the 3000 level or higher transferred from a foreign institution during an approved study abroad program of at least three months or (b) an approved international internship or research program in engineering or science of at least three months duration, plus nine credits chosen from the following list: 3000-level or higher modern language courses; ECON 3100, 4120, 4130; POSC 3610, 3620, 3710, 3750, 4270, 4720, 4780. The international study, internship, or research program must be approved in advance by the Associate Dean in the College of Engineering, Computing and Applied Sciences or the College of Science.

Italian Studies (15 credits minimum)
A minor in Italian Studies requires 15 credits of 3000- and 4000-level ITAL courses, including at least one 4000-level literature course.

Japanese Studies (15 credits minimum)
A minor in Japanese Studies requires 15 credits of 3000- and 4000-level JAPN courses, including at least one 4000-level literature course. JAPN 4010, (ANTH) 4170, and 4990 may not be used to satisfy requirements for the Japanese Studies minor.

Legal Studies (15 credits minimum)
A minor in Legal Studies requires 15 credits at the 3000–4000 level selected from any LAW course, or COMM 4300, 4310, ECON 4020, ENR 4280, HIST 3190, 3280, 3290, 4960, HLTH 4780, HUM 3210, 3430, POSC 4360, 4370, 4380, 4470, SOC 3880, 4680.

Management (15 credits minimum)
A minor in Management requires 15 credits as follows: MGT 2010, 3070, 3100, 3180, 3900.

Management Information Systems (15 credits minimum)
A minor in Management Information Systems requires 15 credits as follows: ACCCT 3220 or MGT 3180; MGT 4110, 4520, and two of the following: MGT 3120, 4540, 4550, 4560.

Mathematical Sciences (16 credits minimum)
A minor in Mathematical Sciences requires MATH 2080 and 12 additional credits in MATH or STAT courses numbered 3000 or higher, excluding MATH 3080, 3150, 3160, 3820, 3990, 4080, 4300, 4320, 4810, 4820, 4910, 4920, and 4990, and STAT 3090. Students may not use both MATH 3650 and MATH 4600.

Microbiology (15 credits minimum)
A minor in Microbiology requires MICR 3050 and 11 additional credits selected from 4000-level microbiology courses.

Middle Eastern Studies (15 credits minimum)
A minor in Middle Eastern Studies requires 15 credits, three of which must be in Arabic language courses at the 2000 level or higher. The remaining 12 credits must be distributed as follows: Group I: three credits selected from REL 3030, 3060, 3150, or 3510; Group II: three credits selected from HIST 3510, 3520, 3960, 3970, 4720, or POSC 4760; Group III: six additional credits selected from any of the courses listed in Group I or II.

Military Leadership (19 credits minimum)
A minor in Military Leadership requires at least 19 credits, including ML 3010, 3020, 4010, 4020, and one of the following: HIST 3900, ML 3900, POSC 4580, or POSC 6580. Completion of Leadership Laboratory and participation in cadet activities are mandatory. (ML 1000 and 2000 levels may be taken concurrently in the sophomore year.)

Music (18 credits minimum)
A minor in Music requires MUSC 1420, 1430, 1510, 1520, 2510, 2520; 4150 or 4160; four semesters of ensemble, totaling four credits, selected from MUSC 3230, 3610, 3620, 3630, 3690, 3700, 3710, 3720; and one three-hour MUSC course at the 3000–4000 level. All four semesters of applied music and large ensemble must be on the student’s primary instrument.

Natural Resource Economics (15 credits minimum)
A minor in Natural Resource Economics requires AGRB 3570, 4570; and three courses selected from AGRB 3520, 4090, 4120, 4140, 4520, 4750, ECON 3190.

Nonprofit Leadership (18 credits minimum)
A minor in Nonprofit Leadership requires completion of 15 credits: EES 3000, 3010, 3020, 3030, 3040, 4000.

Nuclear Engineering and Radiological Sciences (15 credits minimum)
A minor in Nuclear Engineering and Radiological Sciences (NERS) requires 15 credits: EES 3100, 4100, 4120, and ME 4260; and one course selected from: EES 4110, 4800, PHYS 4520, or another course approved by a NERS advisor.

Packaging Science (19 credits minimum)
A minor in Packaging Science requires PKSC 1020, 2020, 2040, and 2060; and at least nine credits selected from the following: FDSC 4010, 4020, FOR 4110, 4420, GC 4060, PKSC 3200, 3680, 4010, 4030, 4040, 4160, 4200, 4300, 4400, 4540, 4640.

Pan African Studies (18 credits minimum)
A minor in Pan African Studies requires 18 credits as follows: HIST 3110 or 3120, PAS 3010, and 12 credits arranged as follows:

Group I—Three credits from GEOG 3300, HIST 3370, 3380, 3390, 4380, PAS 1010, 4980

Group II—Three credits from ENGL 4820, 4830, POSC 3810, SOC 4600, THEA 3170

Group III—Three credits in any 3000–4000-level course in the social sciences approved by the Director of the Pan African Studies Program

Group IV—Three credits in any 3000–4000-level course in the humanities approved by the Director of the Pan African Studies Program

Courses are to be scheduled in consultation with the appropriate advisors. Pan African Studies advisors will provide all affected advisors with a list of approved courses prior to registration.

Park and Protected Area Management (15 credits minimum)
A minor in Park and Protected Area Management requires PRPTM 2700, 4740 and nine additional credits from PRPTM 3200, 3210, 3300, 4030, (GEOG) 4300, 4310.

Philosophy (15 credits minimum)
A minor in Philosophy requires 15 credits in philosophy, nine of which must be at the 3000 level or above.

Physics (18 credits minimum)
A minor in Physics requires PHYS 1220, 2210, 2220, and nine additional credits in physics courses at the 3000 level or higher.

Plant Pathology (15 credits minimum)
A minor in Plant Pathology requires PLPA 3100 and 12 credits from the following: BIOL (PLPA) 4250, (PLPA) 4260, IPM 4010, MICR 3050, or any 3000–4000-level PLPA courses.
Political Science (18 credits minimum)

A minor in Political Science requires POSC 1010 or 1020 or 1030 or 1040 and 15 additional credits at the 3000-4000 level, nine of which must be selected from three different fields of political science as follows:

- American Politics—POSC 4030, 4050, 4630, 4420
- Comparative Politics—POSC 3710, 3720, 4660, 4710, 4760, 4770, 4780
- International Relations—POSC 3610, 3620, 3630, 3750, 4290, 4470, 4480

Psychology (18 credits minimum)

A minor in Psychology requires PSYC 2010 and 15 credits from PSYC 2750 and/or 3000-4000-level psychology courses. At least nine hours from courses other than PSYC 4970 and 4980 must be taken.

Public Policy (18 credits minimum)

A minor in Public Policy requires POSC 3210, 4210, and 4300, plus nine credit hours in courses dealing with specific policy domains and approved by the Department of Political Science. Students majoring in Political Science may not minor in Public Policy.

Race, Ethnicity and Migration (18 credits minimum)

A minor in Race, Ethnicity and Migration requires 18 credits as follows:

- Literary Group—Six credits selected from ENGL 3530, 3540, 4030, 4190, 4430, 4560, 4820, 4830
- Social Group—Six credits selected from ANTH 3200, POSC 3810, RS 3010, SOC 4330, 4600, 4710
- Historical Group—Three credits selected from HIST 3000, 3110, 3120, 3950, PAS 3010
- Spatial Group—Three credits selected from GEOG 3050, 4100, POSC 4230

Religious Studies (15 credits minimum)

A minor in Religious Studies requires 15 credits as follows: REL 3000; and 12 additional credits, nine of which must be at the 3000 level or above. PHIL 3030, POSC 4070, and SOC 4320 may be included.

Russian Area Studies (15 credits minimum)

A minor in Russian Area Studies requires 15 credit hours of which three credits must be in Russian language courses at the 2000 level or above. The remaining twelve credits are distributed as follows: Group I—Three credits from RUSS 3070, 3400, 3600, 3610, 3980, 4600

Sustainability (18 credits minimum)

A minor in Sustainability requires 18 credits, including: CU 2010; three credits of approved engagement activities, such as creative inquiry, study abroad, independent research, coops, or capstone projects; and 12 credits of courses that focus on sustainability issues, selected from: AGRF 4570*, ARCH 4710*, 4720*, BE 4400, 4640, BIOL 2040*, 3130, 4430, CE 4360, 4370, ECE 4200, 4610, 4670, ECON 3190, EES 4860, ENR 4130, 4500*, ENSP 1250, 2000, 4000*, FOR 4340, GEOL 1200, 2700*, HIST 1240*, HON 2060 (when the course covers sustainable energy innovation or experimental forest topics), HORT 1010, 3080, 4560, ME 4200, 4570, PES 3150*, PHIL 3450*, PHY 2450, PKSC 3680*, RS 4010*, WFB 3130, 4130, 4300. Other courses may be substituted with departmental approval. At least nine credits must be selected from 3000-4000 level courses. At least three and no more than nine credits must be from courses addressing the social dimension of sustainability. These courses are identified by an asterisk in the list above.

Youth Development Studies (15 credits minimum)

A minor in Youth Development Studies requires YDP 3000 or 3050; YDP 3100, 3150, or 3200; YDP 3300, 3330, or 3400; and six additional credits selected from YDP courses. YDP courses are offered online in an accelerated seven-week format. Students meet weekly through a synchronous web conference for discussion and interaction.