



BRADLEY University

2+2 Advising Guide for Environmental Science

Bradley University requires a minimum of 124 hours for graduation. A maximum of sixty-six of these may be transferred from a two year institution. The university also requires 40 junior/senior hours (classes 300 and above). To graduate with honors (*cum laude*, *magna cum laude* or *summa cum laude*) students must complete 60 hours at Bradley and have the appropriate GPA.

All students with a major from the College of Liberal Arts and Sciences (LAS) must complete the university core curriculum requirements, the College requirements, and the requirements of their major. Liberal Arts and Sciences requires that a minimum of 30 of the 40 junior/senior hours come from the College of LAS. Students seeking the Bachelor of Arts degree must complete the 201 or higher level course in a World Language. Students seeking the Bachelor of Science degree must complete 15 hours of math, natural science or computer science courses (including BCC requirements).

BRADLEY UNIVERSITY CORE REQUIREMENTS

Listed below are Bradley's University core requirements for all students and the equivalent transfer courses from ICC. Note: classes marked *** may meet the requirements for multiple categories, but they can only count toward one Area of Inquiry requirement (e.g. HUM 125 can fulfill the Fine Arts (FA) or Humanities (HU) but not both). Further, some classes from ICC are the equivalent of a 300-level class at Bradley (e.g. ENGL 111 fulfills the C2 requirement). While the classes are accepted and the credits are earned, students completing these courses would not receive junior/senior credits from Bradley. Students in Environmental Science are advised not to take the ICC equivalent of any junior/senior class.

***Bradley University participates in the Illinois Articulation Initiative (IAI).** Students who complete all IAI GECC requirements except for C1 901 will be able to complete their Bradley Core Curriculum requirements on successful completion of an approved Bradley W2 course.

AREA OF INQUIRY (HOURS)	BCC CODE	APPROVED TRANSFER COURSES
Communication (9)		
Writing 1	W1	ENGL 110
Writing 2	W2	ENGL 111*
Speech	OC	COMM 110, 212
Fine Arts (3)	FA	ART 110, 142, 150***, 151***, 152***, DANCE 115; FILM 110; HUMAN 123***, 124***, 125***, 128***; INTST 132***, 133***; MCOMM 224; MUS 148, 149***, 150; THTRE 110, 111
Global Perspectives (3-6) ^ §		
Global Systems OR	GS	GEOG 116***, 118***; HIST 231; INTST 130***, 134***

World Cultures	WC	ART 150***, 151***, 152***; HIST 111***, 112***; HUMAN 123***, 124***, 125***, INTST 132***, 133***; LIT 120***, 124***, 250***; MUS 149***; PHIL 112***
Humanities (3-6) ^ §	HU	ARA 211; CHN 211; FR 211; GER 211; HIST 111***, 112***; HUMAN 123***, 124***, 125***, 129; INTST 132***, 133***; LIT 110, 111, 115***, 117, 119, 120***; 122, 124***, 212, 213, 214, 215, 216, 230, 250***; PHIL 110, 111, 112***, 115, 116; SPAN 211
Multidisciplinary Integration (3-6)	MI	HUMAN 123***, 124***, 125***, 128***; INTST 132***, 133***, 140***; LIT 115***; PHYSIC 110***; SSC 110***, 111***
Natural Science (3-6) ^	NS	BIOL 160; CHEM 130, 132, 220, 230; PHYS 120; EASC 111, 116, 250
Quantitative Reasoning (3-6) ^ §	QR	MATH 135, 211, 222, 223
Social & Behavioral Sciences (3-6) ^ §	SB	ECON 110, 111

^ Students are required to take two additional courses from two different areas of inquiry (GS/SW, HU, NS, QR, SB); no more than two courses from the same area of study may count toward BCC requirements.

§To promote an even greater breadth of learning, students in the college of LAS take one more BCC course outside their major cluster area (LAS Out of Cluster requirement); this requirement is not covered by IAI.

CORE CURRICULUM CORE PRACTICES

REQUIRED: Writing Intensive **	WI	2 tags
RECOMMENDED: Integrative Learning	IL	2 tags

**W1 + W2 courses cannot be used to satisfy WI tag requirements. However, WI requirements are met by IAI.

ENVIRONMENTAL SCIENCES

Students of Environmental Sciences (ENS) can pursue concentrations in Biology, Chemistry and Physics. Students are strongly encouraged to complete specific courses in Introductory Chemistry, Biology, Physics and Math. These courses are considered foundational to ENS, and most of them are prerequisites for upper level study. Additionally, students should complete the Introductory Sociology and Psychology courses that prepare students for the MCAT. Furthermore, it is recommended that students complete freshman composition and speech along with **two additional core curriculum courses**.

Listed below are the courses that are required for ENS majors that have a direct equivalent at ICC. In some cases, ICC may have requirements for the Associate's degree that do not have a corresponding class at Bradley; in most cases, department elective credit is given. In other cases, the department at Bradley has a 100-200 level requirement that has no equivalent at ICC. Neither of these sets of classes is listed here.

ENVIRONMENTAL SCIENCE

REQUIRED BU COURSES (ICC CODE)

Core requirements total 58 hours; each

BIO 151 - Molecules to Cells (**BIO 160**)

*concentration requires an additional
19-23 hours, mostly 300-400 level*

BIO 251 - Ecology, Evolution and Biodiversity (**BIOL 161**)
BIO 300 – Populations, Resources and Environment (**BIOL 114**)
CHM 110/111 - General Chemistry + lab (**CHM 130**)
CHM 116/117 - General Chemistry II + lab (**CHM 132**)
CHM 252/253 - Organic Chemistry + lab (**CHM 220**)
CHM 256/257 – Organic Chemistry II + lab (**CHEM 230**)^C
CHM 326 – Analytical Chemistry (**CHEM 210**)^{C**}
GES 101/102 - Principles of Earth Science + lab (**EASC 111 or 116**)
or GES 110/111 – Principles of Historical Geology + lab
(**EASC 250**)
PHY 107/108 - General Physics I & II (**PHYS 120-121**) or
PHY 110/201 - University Physics I & II (**PHYS**
211/213/212)^P
PHY 202 – Applied Quantum Physics (**PHYS 214**)^P
MTH 111 – Statistics (**MATH 211**)^C
MTH 115- Brief Calculus with Applications I (**MATH 135**)^B or
MTH 121^B /122 - Calculus I & II (**MATH 222/223**)
MTH 223 – Calculus III (**MATH 224**)^P
ECO 100 - Introduction to Economics (**ECON 105**) or
ECO 221 - Introduction to Microeconomics (**ECON 111**) or
ECO 222 - Introduction to Macroeconomics (**ECON 110**)^{**}

^B - ENS Biology requires only one semester of Calculus; the second is recommended

^C - ENS Chemistry accepts MATH 211 for its statistics requirement. ENS C also requires CHM 256/257 and 326. CHM 326 is strongly recommended for ENS B and ENS P.

^P ENS Physics requires PHY 110/201, PHY 202 and MTH 223.

^{**} One economics course is required; Macroeconomics and Microeconomics are strongly recommended.