BRADLEY University

2+2 Advising Guide for Chemistry High School Education

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 general education requirements, the College requirements, and the requirements of their major. Liberal Arts and Science 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 CHEMISTRY – HIGH SCHOOL TEACHING 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***, **FILM** 110; **MUS** 149***, 150; **THTRE** 110
Global Perspectives (3-6) ^		
Global Systems OR	GS	
World Cultures	WC	**met by required ETE course at BU**
Humanities (3-6) ^	HU	**HIST** 111*, 112***; **LIT** 110, 111, 117, 119, 122, 124***, 212, 213, 215, 216, 230,
Multidisciplinary Integration (3-6)	MI	**met by required ETE course at BU**
Natural Science (3-6) ^	NS	**BIOL** 114; **CHEM** 110, 113, 120, 130; **EASC** 111, 116,

		250; **PHYS** 110, 120; **PHYSC** 114
Quantitative Reasoning (3-6) ^	QR	**MATH** 211, 222, 223
Social & Behavioral Sciences (3-6) ^	SB	**ECON** 110, 111; **HIST** 201, 202; **POLSC** 115; **P**SY 110; **SOC** 110

^ 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.

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.

As a secondary education major, additional LAS courses may be required. Students need to consult with their advisors at ICC and Bradley to make certain all requirements – University, LAS, Education and ICC – are being met.

CHEMISTRY-HIGH SCHOOL TEACHING

Students are strongly encouraged to complete specific courses in Introductory Chemistry, Biology, Physics and Math. These courses are considered foundational to the Chemistry-High School Teaching (CHM-T) majors, and most of them are prerequisites for upper level study. 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 CHM-T 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.

CHEMISTRY-HIGH SCHOOL TEACHING	REQUIRED BU COURSES (**ICC CODE**)
48 hours required in Sciences and Math	CHM 110/111 - General Chemistry + lab (**CHEM 130**)
	CHM 116/117 - General Chemistry II + lab (**CHEM 132**)
Does not include 40+ BU hours Teacher Education requirements	CHM 252/253 - Organic Chemistry + lab (**CHEM 220**)
	CHM 256/257 - Organic Chemistry II + lab (**CHEM 230**)
	CHM 326 - Analytical Chemistry + lab (**CHEM 210**)
	BIO 151/152 - Molecules to Cells (**BIOL 160**)
	MTH 111 – Statistics (**MATH 211**)
	MTH 121/122 – Calculus I & II (**MATH 222/223**)
	PHY 107/108 – General Physics (**PHYS 112/113**) or
	PHY 110/111 – University Physics (**PHYS 211/213/212)**