



BRADLEY University

2+2 Advising Guide for Computer Science- Computer Information Systems

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 Biology 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***; PHYS 110***; SSC 110***, 111***
Natural Science (3-6) ^ §	NS	BIOL 160; CHEM 120, 130, 132; EASC 111, 116, 250; PHYS 120, 212, 213;
Quantitative Reasoning (3-6) ^	QR	MATH 211, 222, 223
Social & Behavioral Sciences (3-6) ^ §	SB	ECON 110, 111; GEOG 112, 113, 116***, 118***, 200; HIST 117, 118, 201, 202, 231***; INTST 130***, 134***, 140***; POLSC 115, 119, 120, 122***, 124***; PSY 110, 202, 210, 220; SOC 110, 114, 120, 213, 218, 219; SSC110***, 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.

COMPUTER SCIENCE (CS) AND COMPUTER INFORMATION SYSTEMS (CIS)

Students are strongly encouraged to complete specific courses in Computer Science and Math. These courses are considered foundational to the CSIS majors, and most of them are prerequisites for upper level study.

Listed below are the courses that are required for CS-CIS 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. Classes marked “ ** ” are not required but are either recommended or are optional electives.

COMPUTER SCIENCE AND
COMPUTER INFORMATION SYSTEMS

BU REQUIRED COURSES (ICC CODE)

*45 total hours for either major
Minimum 24 hours 300+ level*

- CS 101 - Intro to Programming (CMPSC 115 Java) or (CMPSC 125 C++)
- CS 102 - Data Structures (CMPSC 135 Java) or (CMPSC 212 C++)

Optional concentrations (12 hours each):

MTH 120 - Discrete Math (MATH 122)

Game Technology
Mobile Computing
Software, Web and Computer Security

MTH 111 – Statistics (**MATH 211**) ^{CIS}
MTH 115 – Calculus with Applications (**MATH 135**) ^{CIS **} or
MTH 121 - Calculus I (**MATH 222**) and MTH 122 - Calculus
II (**MATH 223**) ^{CIS}
MTH 223 – Calculus III (**MATH 224**) ^{CIS **} or MTH 207 – Linear
Algebra (**MATH 230**) ^{CIS **}
QM 262 – Quantitative Methods (**BUS 203**) ^{CIS **}
PSY 101 – Intro to Psychology (**PSY 110**) ^{CIS}
Eight hours Natural Science courses with labs ^{CIS}

^{CIS} – required for Computer Science majors

^{CIS **} - additional course requirements for CS majors; the courses listed are approved electives for those requirements

^{*CIS} – Computer Science majors are allowed to transfer in their W2 course; CIS majors are required to take ENG
305 or 306 at Bradley (ENGL 111 would be accepted as one of the required W I courses)

^{CIS} – required for Computer Information Systems majors