



Transfer Planning Guide

Western Illinois University

**BS in Engineering, or
BS in Mechanical Engineering, or
BS in Civil Engineering (starting fall 2019), or
BS in Electrical Engineering (starting fall 2019)**

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Students following this guide are preparing to transfer to Western Illinois University for the Bachelor of Science degrees in Engineering, Mechanical Engineering, Civil Engineering, or Electrical Engineering. The Black Hawk College courses on this guide apply to either BS degree. Students can also complete the Associate in Science degree from BHC (see Note 3 below).

- The [BS in Engineering](#) allows for emphasis areas in General Engineering, or Industrial Engineering. The [BS in Mechanical Engineering](#) allows for emphasis areas in Design, Manufacturing, or Robotics. The [BS in Civil Engineering](#) will concentrate on traditional civil areas as well as transportation and water resources. The [BS in Electrical Engineering](#) will concentrate on robotics, automation, autonomous vehicles (both land and air) and assisted navigation concepts. WIU will advise which courses to take after transfer to complete the chosen degree and emphasis.
- The BS in Engineering and the BS in Mechanical Engineering are accredited by the Accreditation Board for Engineering and Technology (ABET). WIU is seeking ABET accreditation for Civil and Electrical Engineering.
- This guide assumes students are college ready to take MATH 124 Calculus I in their first semester and have met all course prerequisites required by BHC.** English, math, and science courses have pre-requisites than can be met by appropriate scores/grades on ACT, SAT, or Accuplacer assessments; AP exams; or with prior college and high school level courses. Please contact BHC Advising to discuss your readiness for MATH 124.
- Students seeking transfer credit for required engineering, mathematics, and science courses must have earned a grade of C or better in all such courses to receive full credit (see degree requirements).
- To graduate from WIU, students must pass the Fundamentals of Engineering Exam, successfully complete all required engineering courses and a minimum of 9 semester hours of approved major directed electives.

PROGRAM REQUIREMENTS:

1st Year, Fall Semester

Notes	BHC Courses	SH	WIU Equivalents
	ENG 101	3	ENG 180
	MATH 124	4	MATH 133
	PHYS 201	5	PHYS 211
	GE 101	3	ENGR 105
	IAI Social Behavioral Science (ECON 221 strongly recommended)	3	General Education course (ECON 231)
	Semester Hours	18	

1st Year, Spring Semester

Notes	BHC Courses	SH	WIU Equivalents
	ENG 102	3	ENG 280
	MATH 225	4	MATH 134
	PHYS 202	5	PHYS 213
	SPEC 101	3	COMM 241
1	IAI Fine Arts	3	General Education course
	Semester Hours	18	

2nd Year (see advisor for course availability in Summer, Fall or Spring Semesters)

Notes	BHC Courses	SH	WIU Equivalents
Electrical Engineering majors only	MATH 230 Linear Algebra (<i>pre-requisite is MATH 225</i>)	3	MATH 311 (lower division)
	Semester Hours	3	

2nd Year, Fall Semester

Notes	BHC Courses	SH	WIU Equivalents
	CHEM 101	4	CHEM 201
	MATH 226	5	MATH 231
	MATH 235	3	MATH 333 (lower division)
	GE 201 (fall only)	3	ENGR 211
1	IAI Humanities	3	General Education course
	Semester Hours	18	

2nd Year, Spring Semester

Notes	BHC Courses	SH	WIU Equivalents
	WIU Course	3	ENGR 271
2	CHEM 102	4	CHEM 202
	GE 202 (spring only)	3	ENGR 212
	GE 205 (spring only)	3	ENGR 251
	WIU Course	3	ENGR 220
	Semester Hours	16	

**Total Hours prior to transfer: 64 BHC + 6 WIU = 70 (see Notes 3 and 4)
Electrical Engineering add 3 credits for MATH 230**

NOTES:

1. A non-western studies course is recommended. See advisor for course options.
2. Students may opt to take an additional Physics course at WIU (i.e. PHYS 101) instead of CHEM 102.

3. **To earn the Associate in Science degree**, complete IAI general education courses in humanities (3 credits), fine arts (3 credits), social and behavioral science (6 credits; select from two different disciplines), and a non-lab life science (3 credits). Also meet BHC's non-western studies requirement. Courses may be taken before or after transfer. IAI general education courses can be used toward general education at WIU. See an advisor for course recommendations.

4. WIU requires 120 total credits for the BS degree including 60 credits from a 4-year institution of which 42 credits must be at the upper division level. To satisfy these requirements:

BHC GE 101, GE 201, GE 202, and GE 205 (12 credits) -- subject to waiver for WIU advanced placement *
WIU ENGT 271 and ENGR 220 (6 credits)

WIU ENGR courses in the chosen engineering degree and emphasis (30 credits min.) Upper Division

WIU major directed electives (9 credits) Upper Division

WIU other course (3 credits) Upper Division *ENGR, general education, or other course*

* The student must earn a minimum grade of "C" or above (2.0 on a 4.0 scale) for the completed BHC GE courses and complete the first 9 semester hours of 300-level WIU Engineering courses with a "C" or above. Final advanced placement credit will be granted upon proof of passing the Fundamentals of Engineering Exam. Please contact the School of Engineering or see the WIU catalog for full details about the waiver.

This guide is not intended to be a contract with WIU. The information of this guide is subject to change; students are advised to contact WIU to keep informed of changes. Final responsibility for verifying all transfer information lies with the student. Use this guide in conjunction with the BHC catalog the student will use to fulfill degree requirements.

Last Updated: June 10, 2020