

Name: _____ UID: _____ Reviewed by: _____ Date: _____

Directions:

Refer to the Bluffton Catalog for the General Education Requirements and Pre-Engineering coursework, the WSU Catalog, and the BSEE Program description. Create a list of courses by term. Meet with a program advisor to review the graduation plan at the start of the program and periodically throughout to make sure all courses satisfy requirements for Wright State University, the College of Computer Science and Engineering, and the Department of Electrical Engineering. The model below is a 4-year plan for a student who begins without prior college credit.

Bluffton University and Wright State University have entered into an Academic Pathway for a student to complete two full-time years of general education and pre-engineering coursework at Bluffton University and two full-time years at Wright State University.

- An 8-semester (plus an additional summer semester) Academic Pathway listing the courses to take at Bluffton University and at Wright State University will be posted on each institution's Transfer website.
- The 8 semesters, plus an additional summer semester, (with approximately 15 hours each semester) are divided into 4 semesters (plus a summer semester) at Bluffton University (total of 69 hours) and 4 semesters at Wright State University (total of 57 hours). The pathway satisfies WSU Core and ABET criteria.
- The Academic Pathway lists important transfer information specific to the major at Wright State University. Examples are major specific admissions requirements, such as minimum GPA, pre-requisite courses, and application deadlines.
- The Academic Pathway lists the contact information at both institutions.
- Any variation from taking the listed courses in the specified semesters may impact a student's completion of the Academic Pathway in 8 semesters (plus a summer semester).
- Course availability is subject to enrollment capacity.

Students complete 69 hours at Bluffton University during the first two years which transfer according to the listings for Years 1 and 2 below. Then, students complete 57 hours at Wright State to complete the BSEE program. The example course outline is shown for Years 3 and 4.

Year 1. BSEE pre-major. Beginning math, science, electrical engineering, and WSU Core. Courses are generally available fall and spring.

Bluffton University				Transfer Equivalent			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
BENV	100	Becoming a Scholar	3	UNK	1XXX	Non-Equivalent Transfer Course General Elective Credit	3
CPS	108	Computer Programming	3	CS	1160	Intro to C Programming for Engineers	3
MAT	135	Calculus I	5	MTH	2300	Calculus I (plus General Elective Credit) WSU Core Element 2	5
PHY	150	Engineering Seminar	1	EE	1000	Intro. to Electrical Engineering	1
PHY	211	Physics for Science/Engineering I	5	PHY	2400/2400L	General Physics I WSU Core Element 6	5
SPRING SEMESTER							
CMP	110	College English	3	ENG	1100	Academic Writing and Reading WSU Core Element 1	3
MAT	136	Calculus II	5	MTH	2310	Calculus II (plus General Elective Credit) WSU Core Additional Core Course	5
MAT	225	Multivariate Calculus	3	MTH	2320	Calculus III	3
PHY	212	Physics for Science/Engineering 2	5	PHY	2410/2410L	General Physics II WSU Core Element 6	5
SUMMER SEMESTER							
ART MUS THE	135, 136, or 135	Introduction to Visual Arts World Music Introduction to Theatre	3	ART MUS TH	2140, 2420, or 2140	Themes in Visual Culture Music in Western Culture Theatre in Western Culture WSU Core Element 4	3
Total Hours:			36	Total Hours:			36

Year 2. BSEE pre-major and beginning full-major. Math, science, electrical engineering, and WSU Core. Courses are generally available fall and spring.

Bluffton University				Transfer Equivalent			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
BENV	200	Learning in Community	5	UNK	2XXX	Non-Equivalent Transfer Course General Elective Credit	5
CEM	121	General Inorganic Chemistry I	5	CHM	1210/1210L	General Chemistry I and Lab WSU Core Additional Core Course	5
ECN PLS PLS PSY SOC SOC	141, 100, 251, 110, 152, or 162	Principles of Macroeconomics Introduction to Political Science American Political Process Introduction to Psychology Anthropology	3	EC PLS PLS PSY SOC ATH	2050, 2000, 2120, 1010, 2000, or 1XXX	Principles of Macroeconomics Power and Politics American National Government Introduction to Psychology Introduction to Sociology Non-Equivalent Transfer Course WSU Core Element 5	3
REL	115	World Religions	3	REL	2320	Non-Western Religions WSU Core Element 3	3
SPRING SEMESTER							
HIS	210, 212, or	World History 1 World History 2	3	HST	1010, or 1020	Western Civilizations to 1500 The West and the World Since 1500 WSU Core Element 3	3
MAT	350 + 230	Differential Equations Linear Algebra	6	MTH	2350	Differential Equations with Matrix Algebra (plus General Elective Credit)	6
PHY	326	Technical Electives (8 hours) Thermal/Modern/Nuclear/Quantum Physics	5	PHY	3XXX	Technical Elective (8 hours) Non-Equivalent Transfer Course	5
PHY	360	Linear Electronics	4	PHY	3150	Physics Instrumentation (plus Gen- eral Elective Credit)	4
PHY	365	Electricity and Magnetism	3	PHY	4500	Electricity and Magnetism I	3
PHY	370	Quantum Mechanics	3	PHY	4600	Introduction to Quantum Mechan- ics I	3
PHY	375	Analytical Mechanics	3	PHY	3710	Analytical Mechanics	3
Total Hours:			33	Total Hours:			33