

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Start at Edison State Community College and then transfer seamlessly to Wright State University to earn your bachelor's degree.

Edison State Community College

to

Wright State University



Biomedical Engineering
Bachelor of Science



Students interested in Wright Path program benefits will apply to the program through Wright State website at wright.edu/wrightpath/edison-state.

SUBJECT CODE	COURSE NUMBER	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
ANT MUS REL	121S 127S, or 121S	3	Introduction to Anthropology Music as a World Phenomenon World Religions	ATH 2150, MUS 2420, or REL 2320 Element 3: Global Traditions	3
BIO	121S	4	Cells/Genetics/Evolution	BIO 1120	4
BIO	125S	4	Anatomy and Physiology I	ANT 2100	4
BIO	126S	4	Anatomy and Physiology II	ANT 2120	4
CHM	121S	5	General Chemistry I	CHM 1210 + 1210L Additional Core Course	3+2
CHM	122S	5	General Chemistry II	CHM 1220 + 1220L Other Course Requirement	3+2
COM	121S	3	Introduction to Communication	COM 1010 Additional Core Course	3
ENG	121S	3	Composition I	ENG 1100 Element 1: Communication	3
ENG	125S	3	Technical Writing Elective	EGR 3350 Element 1: Communication	3
HST	125S or 126S	3	Western Civilization to 1715 Western Civilization Since 1715 Social & Behavioral Sciences Ohio Transfer 36	HST 1100 or HST 1200 Element 3: Global Traditions	3
MTH	221S	5	Calculus/Analytical Geometry I	MTH 2300 + Elective Element 2: Mathematics + General Elective Credit	4+1
MTH	222S	5	Calculus/Analytical Geometry II	MTH 2310 + Elective Additional Core Course + General Elective Credit	4+1
PHY	241S	5	Science and Engineering Physics I Natural Science Ohio Transfer 36	PHY 2400 + 2400L Element 6: Natural Science	4+1
PHY	242S	5	Science and Engineering Physics II Natural Science Ohio Transfer 36	PHY 2410 + 2410L Element 6: Natural Science	4+1
PSY	121S	3	Introduction to Psychology Social & Behavioral Sciences Ohio Transfer 36	PSY 1010 Element 5: Social Science	3

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Edison State Community College

to

Wright State University

Biomedical Engineering
Bachelor of Science

SUBJECT CODE	COURSE NUMBER	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
SOC	121S	3	Introduction to Sociology <small>Social & Behavioral Sciences Ohio Transfer 36</small>	SOC 2000 <small>Element 5: Social Science</small>	3
		3	One Ohio Transfer 36 Arts & Humanities Course (from List Below)	Element 4: Arts/Humanities	3
TOTAL		66			66

- Choose one Ohio Transfer 36 Arts and Humanities course from:

EDISON STATE COURSE	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
ART 123S	3	Ancient Art History	ART 2110	3
ART 124S	3	Art History: The Modern Era	ART 2120	3
ENG 123S	3	Introduction to Literature	ENG 1XXX	3
ENG 205S	3	Great Books	ENG 2040	3
ENG 221S	3	American Literature I	ENG 3310	3
ENG 222S	3	American Literature II	ENG 3320	3
ENG 241S	3	British Literature I – Middle Ages/Restoration	ENG 3210 or ENG 3220	3
ENG 242S	3	British Literature II – Romantics/20 th Century	ENG 3230	3
HST 224S	3	African American History Since 1619	HST 2XXX	3
HUM 121S	3	Introduction to Humanities	HUM 1XXX	3
MUS 120S	3	Music Appreciation	MUS 2140	3
MUS 127S	3	Music as a World Phenomenon	MUS 2420	3
PHI 121S	3	Introduction to Philosophy	PHL 2050	3
PHI 123S	3	Introduction to Ethics	PHL 3110	3
REL 121S	3	World Religions	REL 2320	3

- All students with declared biomedical engineering major are automatically admitted as Pre-Biomedical Engineering students.
- In order to be admitted fully as a biomedical engineering major at Wright State, students will need to achieve a cumulative GPA of a 2.25.
- Students must earn a C or higher in CHM 121S or PHY 241S; ENG 121S; and MTH 221S at Edison State.
- If PHY 241S and/or 242S are not offered at Edison, students are strongly recommended to take the course(s) at Wright State using SOCHE Cross Registration program.

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Edison State Community College

to

Wright State University

**Biomedical Engineering
Bachelor of Science**

- 120 hours minimum are required for a BS degree at Wright State.

FIRST YEAR							
Edison State Community College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
CHM	121S	General Chemistry I	5	CHM	1210 + 1210L	General Chemistry I + Lab <small>Additional Core Course</small>	3+2
ENG	121S	Composition I	3	ENG	1100	Academic Writing and Reading <small>Element 1: Communication</small>	3
HST	125S or 126S	Western Civilization to 1715 Western Civilization Since 1715 <small>Social & Behavioral Sciences Ohio Transfer 36</small>	3	HST	1100 or 1200	Western Civilizations to 1500 The West and the World Since 1500 <small>Element 3: Global Traditions</small>	3
MTH	221S	Calculus/Analytical Geometry I	5	MTH	2300	Calculus I + Elective <small>Element 2: Mathematics + General Elective Credit</small>	4+1
SPRING SEMESTER							
CHM	122S	General Chemistry II	5	CHM	1220 + 1220L	General Chemistry II + Lab <small>Other Course Requirement</small>	3+2
MTH	222S	Calculus/Analytical Geometry II	5	MTH	2310	Calculus II + Elective <small>Additional Core Course + General Elective Credit</small>	4+1
PHY	241S	Science and Engineering Physics I <small>Natural Science Ohio Transfer 36</small>	5	PHY	2400 + 2400L	General Physics I + Lab <small>Element 6: Natural Science</small>	4+1
SUMMER SEMESTER							
PSY	121S	Introduction to Psychology <small>Social & Behavioral Sciences Ohio Transfer 36</small>	3	PSY	1010	Introduction to Psychology <small>Element 5: Social Science</small>	3
Total Hours:			34	Total Hours:			34

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Edison State Community College

to

Wright State University

Biomedical Engineering
Bachelor of Science

SECOND YEAR							
Edison State Community College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
ANT MUS REL	121S, 127S, or 121S	Introduction to Anthropology Music as a World Phenomenon World Religions	3	ATH MUS REL	2150, 2420, or 2320	Comparative Nonwestern Cultures Comparative Nonwestern Cultures – Music Nonwestern Religions <small>Element 3: Global Traditions</small>	3
BIO	125S	Anatomy and Physiology I	4	ANT	2100	Human Anatomy and Physiology I <small>Other Course Requirement</small>	4
COM	121S	Introduction to Communication	3	COM	1010	Essentials of Public Address <small>Additional Core Course</small>	3
PHY	242S	Science and Engineering Physics II <small>Natural Science Ohio Transfer 36</small>	5	PHY	2410 + 2410L	General Physics II + Lab <small>Element 6: Natural Science</small>	4+1
SPRING SEMESTER							
BIO	121S	Intro Biology: Cells/Genetics/ Evolution	4	BIO	1120	Cells and Genes <small>Other Course Requirement</small>	4
BIO	126S	Anatomy and Physiology II	4	ANT	2120	Human Anatomy and Physiology II <small>Other Course Requirement</small>	4
ENG	125S	Technical Writing	3	EGR	3350	Technical Communications for Engineers and Scientists <small>Element 1: Communication</small>	3
SOC	121S	Introduction to Sociology <small>Social & Behavioral Sciences Ohio Transfer 36</small>	3	SOC	2000	Introduction to Sociology <small>Element 5: Social Science</small>	3
		Arts & Humanities Ohio Transfer 36 Course	3			Element 4: Arts/Humanities	3
Total Hours:			32	Total Hours:			32

Total Credit Hours for Associate Degree: 66

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Edison State Community College

to

Wright State University

Biomedical Engineering
Bachelor of Science

THIRD YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
BME	1110	Fundamentals of BIE Engineering	1
BME	3211	Human Biomechanics I	4
BME	3511	Bioelectronics I	4
CHM	2110	Organic Chemistry I	3
CHM	2110L	Organic Chemistry I Lab	2
MTH	2350	Differential Equations with Matrix Algebra	4
SPRING SEMESTER			
BME	3212	Human Biomechanics II	3
BME	3512	Bioelectronics II	4
BME	3530	Biomedical Signals and Systems	3
CHM	2120	Organic Chemistry II	3
CHM	2120L	Organic Chemistry II Lab	2
ISE	2211	Statistics for Engineers	3
Total Hours:			36

FOURTH YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
BME	3540	Introduction to Computation for Biomedical Engineering	3
BME	4550	Bioinstrumentation	4
BME	4703	Medical Imaging	4
BME	4910	Biomedical Engineering Design I	3
		Technical Elective	3
SPRING SEMESTER			
BME	4421	Biotransport	3
BME	4440	Biomaterials	4
BME	4920	Biomedical Engineering Design II	3
		Technical Elective	3
		Technical Elective	3
Total Hours:			33

Total Credit Hours for Bachelor's Degree: 135

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Edison State Community College

to

Wright State University

Biomedical Engineering
Bachelor of Science

1. ADMISSIONS AND DEADLINES

Join the Wright Path Program

Students interested in applying to the Wright Path must submit a request for membership at wright.edu/wrightpath/edison-state.

High school students must have completed their junior year before applying to the Wright Path, and current Edison State students must have a minimum 2.0 GPA.

Transfer to Wright State University

Students must earn a minimum 2.0 GPA from Edison State in order to transfer to Wright State.

Wright State processes applications as they are received. To help you make a smooth and timely transition, we recommend you submit your application by the following dates:

Fall Semester:	April 1
Spring Semester:	October 15
Summer Semester:	February 1

Students must apply for undergraduate admission one semester prior to completing their studies at Edison State.

In order to be admitted fully as a biomedical engineering major at Wright State, students will need to achieve a cumulative GPA of a 2.25.

Students must earn a C or higher in CHM 121S or PHY 241S; ENG 121S; and MTH 221S at Edison State.

2. TUITION AND SCHOLARSHIPS

Students interested in scholarship opportunities at Wright State should contact:

Transfer Student Resource Center
3640 Colonel Glenn Hwy.
138 Student Union
3640 Colonel Glenn Hwy.
Dayton, OH 45435
937-775-4830

