

# WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Earn your associate degree from 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 with Pre-Medicine Concentration  
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](http://wright.edu/wrightpath/edison-state).

SUBJECT CODE	COURSE NUMBER	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
BIO	125S + 126S	4+4	Anatomy and Physiology I Anatomy and Physiology II <small>Elective</small>	ANT 2100 + ANT 2120	4+4
CHM	121S	5	General Chemistry I <small>Natural &amp; Physical Science Ohio Transfer 36 Elective</small>	CHM 1210 + 1210L <small>Additional Core Course</small>	3+2
CHM	122S	5	General Chemistry II <small>Elective</small>	CHM 1220 + 1220L <small>Other Course Requirement</small>	3+2
CIS	110S	3	Computer Concepts and Applications	CS 1010 <small>General Elective Credit</small>	3
COM	121S	3	Introduction to Communication	COM 1010 <small>Additional Core Course</small>	3
ENG	121S	3	Composition I	ENG 1100 <small>Element 1: Communication</small>	3
ENG	125S	3	Technical Writing <small>Elective</small>	EGR 3350 <small>Element 1: Communication</small>	3
MTH	221S	5	Calculus/Analytical Geometry I <small>Mathematics, Statistics, &amp; Logic Ohio Transfer 36 Elective</small>	MTH 2300 + Elective <small>Element 2: Mathematics + General Elective Credit</small>	4+1
MTH	222S	5	Calculus/Analytical Geometry II	MTH 2310 + Elective <small>Other Course Requirement + General Elective Credit</small>	4+1
MUS REL	127S or 121S	3	Music as a World Phenomenon World Religions <small>Arts &amp; Humanities Ohio Transfer 36 Elective Diversity</small>	MUS 2420 or REL 2320 <small>Element 3: Global Traditions</small>	3
PHY	241S	5	Science and Engineering Physics I <small>Natural &amp; Physical Science Ohio Transfer 36 Elective</small>	PHY 2400 + 2400L <small>Element 6: Natural Science</small>	4+1
PHY	242S	5	Science and Engineering Physics II <small>Natural &amp; Physical Science Ohio Transfer 36 Elective</small>	PHY 2410 + 2410L <small>Element 6: Natural Science</small>	4+1
PSY	121S	3	Introduction to Psychology <small>Social &amp; Behavioral Sciences Ohio Transfer 36 Elective</small>	PSY 1010 <small>Element 5: Social Science</small>	3

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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 &amp; Behavioral Sciences Ohio Transfer 36 Elective</small>	SOC 2000 <small>Element 5: Social Science</small>	3
		3	<b>One Ohio Transfer 36 Arts &amp; Humanities Course (from List Below)</b>	Element 4: Arts/Humanities	3
<b>TOTAL</b>		<b>62</b>			<b>62</b>

- 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 – Romanticism/20 <sup>th</sup> 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 or REL 121S	3	Music as a World Phenomenon World Religions	MUS 2420 or REL 2320	3
PHI 121S	3	Introduction to Philosophy	PHL 2050	3
PHI 123S	3	Introduction to Ethics	PHL 3110	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.

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- 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.
- 124 hours minimum are required for a BS in Biomedical Engineering degree with Pre-Medicine Concentration 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 <small>Natural &amp; Physical Science Ohio Transfer 36 Elective</small>	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
MTH	221S	Calculus/Analytical Geometry I <small>Mathematics, Statistics, &amp; Logic Ohio Transfer 36 Elective</small>	5	MTH	2300	Calculus I + Elective <small>Element 2: Mathematics + General Elective Credit</small>	4+1
PSY	121S	Introduction to Psychology <small>Social &amp; Behavioral Sciences Ohio Transfer 36 Elective</small>	3	PSY	1010	Introduction to Psychology <small>Element 5: Social Science</small>	3
SPRING SEMESTER							
CHM	122S	General Chemistry II <small>Elective</small>	5	CHM	1220 + 1220L	General Chemistry II + Lab <small>Other Course Requirement</small>	3+2
MTH	222S	Calculus/Analytical Geometry II <small>Elective</small>	5	MTH	2310	Calculus II + Elective <small>Other Course Requirement + General Elective Credit</small>	4+1
PHY	241S	Science and Engineering Physics I <small>Natural &amp; Physical Science Ohio Transfer 36 Elective</small>	5	PHY	2400 + 2400L	General Physics I + Lab <small>Element 6: Natural Science</small>	4+1
SUMMER SEMESTER							
		Ohio Transfer 36 Arts & Humanities Course	3			Element 4: Arts/Humanities	3
Total Hours:			34	Total Hours:			34

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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							
BIO	125S	Anatomy and Physiology I <small>Elective</small>	4	BIO	1XXX	Non-Equivalent Transfer Course <small>(ANT 2100 and 2120 Will Be Awarded after Completing Both BIO 125S and 126S) Other Course Requirement</small>	4
CIS	110S	Computer Concepts and Applications	3	CS	1010	Introduction to Computers and Office Productivity Tools <small>General Elective Credit</small>	3
MUS REL	127S or 121S	Music as a World Phenomenon World Religions <small>Arts &amp; Humanities Ohio Transfer 36 Elective Diversity</small>	3	MUS REL	2420 or 2320	Comparative Nonwestern Cultures – Music Nonwestern Religions <small>Element 3: Global Traditions</small>	3
PHY	242S	Science and Engineering Physics II <small>Natural &amp; Physical Science Ohio Transfer 36 Elective</small>	5	PHY	2410 + 2410L	General Physics II + Lab <small>Element 6: Natural Science</small>	4+1
SPRING SEMESTER							
BIO	126S	Anatomy and Physiology II <small>Elective</small>	4	BIO	1XXX	Non-Equivalent Transfer Course <small>(ANT 2100 and 2120 Will Be Awarded after Completing Both BIO 125S and 126S) Other Course Requirement</small>	4
COM	121S	Introduction to Communication	3	COM	1010	Essentials of Public Address <small>Additional Core Course</small>	3
ENG	125S	Technical Writing <small>Elective</small>	3	EGR	3350	Technical Communications for Engineers and Scientists <small>Element 1: Communication</small>	3
SOC	121S	Introduction to Sociology <small>Social &amp; Behavioral Sciences Ohio Transfer 36 Elective</small>	3	SOC	2000	Introduction to Sociology <small>Element 5: Social Science</small>	3
<b>Total Hours:</b>			<b>28</b>	<b>Total Hours:</b>			<b>28</b>

**Total Credit Hours for Associate Degree: 62**

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## THIRD YEAR

### Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
<b>FALL SEMESTER</b>			
BME	1110	Fundamentals of BIE Engineering	1
CHM	2110	Organic Chemistry I	3
CHM	2110L	Organic Chemistry I Lab	2
CS	1160	Introduction to Computer Programming	4
EE	2010	Analog Circuit Theory	3
EE	2010L	Analog Circuit Theory Lab	1
ME	2120	Statics	3
<b>SPRING SEMESTER</b>			
CHM	2120	Organic Chemistry II	3
CHM	2120L	Organic Chemistry II Lab	2
EE	3510	Continuous and Discrete Linear Systems	3
ISE	2211	Statistics for Engineers	3
ME	3120	Mechanics of Materials	3
<b>Total Hours:</b>			<b>31</b>

## FOURTH YEAR

### Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
<b>FALL SEMESTER</b>			
BME	4440	Biomaterials	4
ISE	4310	Ergonomics	3
MTH	2350	Differential Equations with Matrix Algebra	4
		Technical Elective	3
<b>SPRING SEMESTER</b>			
EE	3310	Electronic Devices and Circuits	3
EE	3310L	Electronic Devices and Circuits Lab	1
BME	4421	Biotransport	3
<b>Total Hours:</b>			<b>21</b>

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## FIFTH YEAR

### Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
<b>FALL SEMESTER</b>			
BME	4550	Bioinstrumentation	4
BME	4910	Biomedical Engineering Design I	3
<b>SPRING SEMESTER</b>			
BME	4920	Biomedical Engineering Design II	3
<b>Total Hours:</b>			<b>10</b>

Total Credit Hours for Bachelor's Degree: 124

## 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](http://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.

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## 2. TUITION AND SCHOLARSHIPS

Students interested in scholarship opportunities at Wright State should contact:

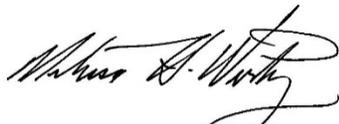
Transfer Center  
138 Student Union  
3640 Colonel Glenn Hwy.  
Dayton, OH 45435  
937-775-5700  
transfer@wright.edu

## 3. CONTACT INFORMATION

**Edison State Community College**  
**Coordinator of Transfer Pathways Advising**  
**Student Services Room #160**  
**1973 Edison Dr., Piqua, OH**  
**937-778-7844**

**Wright State University**  
**Transfer Center**  
**138 Student Union**  
**3640 Colonel Glenn Hwy. Dayton, OH**  
**937-775-5700**

This agreement will expire two years from date of signature.



1 August 2023

Melissa A. Wertz, Ed.D.

Date

Provost

Edison State Community College



8/1/2023

Amy Thompson, Ph.D.

Date

Provost and Senior Vice President for Academic Affairs

Wright State University