

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
Bachelor of Science



Students interested in Wright Path program benefits will apply to the program through Wright State website at wright.edu/edisonstate.

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 <small>Other Requirement</small>	4+4
CHM	121S	5	General Chemistry I <small>Natural & Physical Sciences Ohio Transfer 36</small>	CHM 1210 + 1210L <small>Element E: Natural Science</small>	3+2
CHM	122S	5	General Chemistry II <small>Elective</small>	CHM 1220 + 1220L <small>Other 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>Element A: Communication</small>	3
ENG	121S	3	Composition I	ENG 1100 <small>Element A: Communication</small>	3
ENG	125S	3	Technical Writing <small>Elective</small>	EGR 3350 <small>Element A: Communication</small>	3
MTH	221S	5	Calculus/Analytical Geometry I <small>Mathematics, Statistics, & Logic Ohio Transfer 36</small>	MTH 2300 + Elective <small>Element B: Mathematics + General Elective Credit</small>	4+1
MTH	222S	5	Calculus/Analytical Geometry II	MTH 2310 + Elective <small>Other Requirement + General Elective Credit</small>	4+1
PHY	241S	5	Science and Engineering Physics I <small>Natural & Physical Sciences Ohio Transfer 36</small>	PHY 2400 + 2400L <small>Element E: Natural Science</small>	4+1
PHY	242S	5	Science and Engineering Physics II <small>Natural & Physical Sciences Ohio Transfer 36</small>	PHY 2410 + 2410L <small>Element E: Natural Science</small>	4+1
PSY	121S	3	Introduction to Psychology <small>Social & Behavioral Science Ohio Transfer 36</small>	PSY 1010 <small>Element D: Social and Behavioral Science</small>	3
		6	Two Ohio Transfer 36 Arts & Humanities Courses from Different Subjects (from List Below)	Element C: Arts and Humanities	6

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SUBJECT CODE	COURSE NUMBER	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
		3	One Ohio Transfer 36 Social & Behavioral Science History Course (from List Below)	Element C: Arts and Humanities - History	3
TOTAL		62			62

- Choose two Ohio Transfer 36 Arts and Humanities courses from different subjects 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 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
THE 121S	3	Introduction to Theatre	TH 2140	3

- Choose one Ohio Transfer 36 Social and Behavioral Science history course from:

EDISON STATE COURSE	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
HST 121S	3	United States History to 1877	HST 2110	3
HST 122S	3	United States History Since 1877	HST 2120	3
HST 125S	3	Western Civilization to 1715	HST 1100	3

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EDISON STATE COURSE	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
HST 126S	3	Western Civilization Since 1715	HST 1200	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.
- 125 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 <small>Natural & Physical Sciences Ohio Transfer 36</small>	5	CHM	1210 + 1210L	General Chemistry I + Lab <small>Element E: Natural Science</small>	3+2
ENG	121S	Composition I	3	ENG	1100	Academic Writing and Reading <small>Element A: Communication</small>	3
MTH	221S	Calculus/Analytical Geometry I <small>Mathematics, Statistics, & Logic Ohio Transfer 36</small>	5	MTH	2300	Calculus I + Elective <small>Element B: Mathematics + General Elective Credit</small>	4+1
PSY	121S	Introduction to Psychology <small>Social & Behavioral Science Ohio Transfer 36</small>	3	PSY	1010	Introduction to Psychology <small>Element D: Social and Behavioral Science</small>	3
SPRING SEMESTER							
CHM	122S	General Chemistry II <small>Elective</small>	5	CHM	1220 + 1220L	General Chemistry II + Lab <small>Other Requirement</small>	3+2
MTH	222S	Calculus/Analytical Geometry II <small>Elective</small>	5	MTH	2310	Calculus II + Elective <small>Other Requirement + General Elective Credit</small>	4+1
PHY	241S	Science and Engineering Physics I <small>Natural & Physical Sciences Ohio Transfer 36</small>	5	PHY	2400 + 2400L	General Physics I + Lab <small>Element E: Natural Science</small>	4+1
SUMMER SEMESTER							
		Ohio Transfer 36 Social & Behavioral Science History Course	3			Element C: Arts and Humanities - History	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 Elective	4	BIO	1XXX	Non-Equivalent Transfer Course (ANT 2100 and 2120 Will Be Awarded after Completing Both BIO 125S and 126S) Other Requirement	4
CIS	110S	Computer Concepts and Applications	3	CS	1010	Introduction to Computers and Office Productivity Tools General Elective Credit	3
PHY	242S	Science and Engineering Physics II Natural & Physical Sciences Ohio Transfer 36	5	PHY	2410 + 2410L	General Physics II + Lab Element E: Natural Science	4+1
		Ohio Transfer 36 Arts & Humanities Course	3			Element C: Arts and Humanities	3
SPRING SEMESTER							
BIO	126S	Anatomy and Physiology II Elective	4	BIO	1XXX	Non-Equivalent Transfer Course (ANT 2100 and 2120 Will Be Awarded after Completing Both BIO 125S and 126S) Other Requirement	4
COM	121S	Introduction to Communication	3	COM	1010	Essentials of Public Address Element A: Communication	3
ENG	125S	Technical Writing Elective	3	EGR	3350	Technical Communications for Engineers and Scientists Element A: Communication	3
		Ohio Transfer 36 Arts & Humanities Course	3			Element C: Arts and Humanities	3
Total Hours:			28	Total Hours:			28

Total Credit Hours for Associate Degree: 62

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THIRD YEAR			
Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
BME	4440	Biomaterials	4
CS	1160	Introduction to Computer Programming	4
EE	2010	Analog Circuit Theory	3
EE	2010L	Analog Circuit Theory Lab	1
ME	2120	Statics	3
SPRING SEMESTER			
CS	3840 or 3540	Applied Machine Learning Introduction to Machine Learning in Engineering Applications	3
EE	3310	Electronic Devices and Circuits	3
EE	3310L	Electronic Devices and Circuits Lab	1
EE	3510	Continuous and Discrete Linear Systems	3
ISE	2211	Statistics for Engineers	3
ME	3120	Mechanics of Materials	3
Total Hours:			31

FOURTH YEAR			
Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
BME	4470	Design of Medical Devices	3
BME	4550	Bioinstrumentation	4
BME	4910	Biomedical Engineering Design I	3
ISE	4310	Ergonomics	3
MTH	2350	Differential Equations with Matrix Algebra	4
SPRING SEMESTER			
BME	4421	Biotransport	3
BME	4920	Biomedical Engineering Design II	3
		Technical Elective	9
Total Hours:			32

Total Credit Hours for Bachelor's Degree: 125

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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/edisonstate.

High school students must be close to graduating 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 Center
138 Student Union
3640 Colonel Glenn Hwy.
Dayton, OH 45435
937-775-5700
transfer@wright.edu

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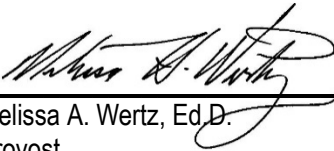
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3. CONTACT INFORMATION

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

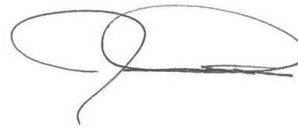
*Wright State University
Transfer Center
138 Student Union
3640 Colonel Glenn Hwy. Dayton, OH
937-775-5700*

This agreement will expire two years from date of signature.



Melissa A. Wertz, Ed.D.
Provost
Edison State Community College

9 July 2025
Date



Jim Denniston, Ph.D.
Provost and Senior Vice President for Academic Affairs
Wright State University

7/9/2025
Date