

# 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**



**Electrical Engineering  
Bachelor of Science**



Students interested in Wright Path program benefits will apply to the program through Wright State website at [wright.edu/edisonstate](http://wright.edu/edisonstate).

SUBJECT CODE	COURSE NUMBER	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
BIO CHM	121S or 121S	4 or 5	Intro Biology: Cells/Genetics/ Evolution General Chemistry I <small>Natural &amp; Physical Sciences Ohio Transfer 36</small>	BIO 1120 or CHM 1210 + 1210L <small>Element E: Natural Science</small>	4 or 3+2
COM	121S	3	Introduction to Communication	COM 1010 <small>Element A: Communication</small>	3
ELT	110S + 210S	3+3	Circuits I Circuits II <small>Elective</small>	EE 2010 + 2010L + General Elective Credit	3+1+2
ELT	141S	3	Digital Electronics <small>Elective</small>	EE 2000 + 2000L	2+1
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, &amp; 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 <small>Elective</small>	MTH 2310 + Elective <small>Element B: Mathematics + General Elective Credit</small>	4+1
MTH	223S	5	Calculus/Analytical Geometry III <small>Elective</small>	MTH 2320 + General Elective Credit	4+1
MUS REL	127S or 121S	3	Music as a World Phenomenon World Religions <small>Arts &amp; Humanities Ohio Transfer 36 Diversity</small>	MUS 2420 or REL 2320 <small>Element C: Arts and Humanities</small>	3
PHY	241S	5	Science and Engineering Physics I <small>Natural &amp; 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 &amp; Physical Sciences Ohio Transfer 36</small>	PHY 2410 + 2410L <small>Element E: Natural Science</small>	4+1

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PSY	121S	3	Introduction to Psychology <small>Social &amp; Behavioral Science Ohio Transfer 36</small>	PSY 1010 <small>Element D: Social and Behavioral Science</small>	3
		4	Differential Equations with Matrix Algebra (Completed at Wright State through SOCHE Agreement While Studying at Edison State) <small>Elective</small>	MTH 2350	4
		3	<b>One Ohio Transfer 36 Arts &amp; Humanities Course (from List Below)</b>	Element C: Arts and Humanities	3
		3	<b>One Ohio Transfer 36 Social &amp; Behavioral Science History Course (from List Below)</b>	Element C: Arts and Humanities - History	3
<b>TOTAL</b>		<b>63-64</b>			<b>63-64</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 – Romantics/ 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	3	Music as a World Phenomenon	MUS 2420 <small>Inclusive Excellence</small>	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:

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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
HST 126S	3	Western Civilization Since 1715	HST 1200	3

- 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.
- All students with declared Electrical Engineering major are automatically admitted as Pre-Electrical Engineering students.
- In order to be admitted fully as an electrical engineering major at Wright State, students will need to achieve a cumulative GPA of a 2.25.
- EE 1000 requirement will be waived after completing this associate degree.
- Students will need to complete the following courses:
  - At Edison State: ELT 141S, ENG 121S (C or higher), and MTH 221S.
- 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							
BIO	121S or	Intro Biology: Cells/Genetics/ Evolution	4 or	BIO	1120 or	Cells and Genes	4 or
CHM	121S	General Chemistry I <small>Natural &amp; 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, &amp; Logic Ohio Transfer 36</small>	5	MTH	2300	Calculus I + Elective <small>Element B: Mathematics + General Elective</small>	4+1
		Ohio Transfer 36 Social & Behavioral Science History Course	3			Element C: Arts and Humanities - History	3
SPRING SEMESTER							
ELT	110S	Circuits I <small>Elective</small>	3	EE	1XXX	Non-Equivalent Transfer Course (EE 2010/2010L Will Be Granted after Completing ELT 210S)	2
MTH	222S	Calculus/Analytical Geometry II <small>Elective</small>	5	MTH	2310	Calculus II + Elective <small>Element B: Mathematics + General Elective Credit</small>	4+1

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SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
MUS REL	127S or 121S	Music as a World Phenomenon World Religions <small>Arts &amp; Humanities Ohio Transfer 36 Diversity</small>	3	MUS REL	2420 or 2320	Comparative Nonwestern Cultures – Music Nonwestern Religions <small>Element C: Arts and Humanities</small>	3
PHY	241S	Science and Engineering Physics I <small>Natural &amp; Physical Sciences Ohio Transfer 36</small>	5	PHY	2400 + 2400L	General Physics I + Lab <small>Element E: Natural Science</small>	4+1
Total Hours:			31-32	Total Hours:			31-32

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							
ELT	210S	Circuits II <small>Elective</small>	3	EE	2010 + 2010L	Analog Circuit Theory + Lab	3+1
ENG	125S	Technical Writing <small>Elective</small>	3	EGR	3350	Technical Communications for Engineers and Scientists	3
PHY	242S	Science and Engineering Physics II <small>Natural &amp; Physical Sciences Ohio Transfer 36</small>	5	PHY	2410 + 2410L	General Physics II + Lab <small>Element E: Natural Science</small>	4+1
PSY	121S	Introduction to Psychology <small>Social &amp; Behavioral Science Ohio Transfer 36</small>	3	PSY	1010	Introduction to Psychology <small>Element D: Social and Behavioral Science</small>	3
		Ohio Transfer 36 Arts & Humanities Course	3			Element C: Arts and Humanities	3
SPRING SEMESTER							
COM	121S	Introduction to Communication	3	COM	1010	Essentials of Public Address <small>Element A: Communication</small>	3
ELT	141S	Digital Electronics <small>Elective</small>	3	EE	2000 + 2000L	Digital Design with HDL + Lab	2+1
MTH	223S	Calculus/Analytical Geometry III <small>Elective</small>	5	MTH	2320	Calculus III + General Elective Credit	4+1
MTH	2XXS	Elective (Completed at Wright State through SOCHE Agreement While Studying at Edison State)	4	MTH	2350	Differential Equations with Matrix Algebra	4
Total Hours:			32	Total Hours:			32

**Total Credit Hours for Associate Degree: 63-64**

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Students must complete the following coursework at Edison State in order to graduate from Wright State in a timely manner:

SUBJECT CODE	COURSE NUMBER	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
CIS	221S	3	Java Programming I	CS 1180	3
<b>TOTAL</b>		<b>3</b>			<b>3</b>

## THIRD YEAR

### Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
<b>FALL SEMESTER</b>			
EE	3210	Linear Systems I	3
EE	3310	Electronic Devices and Circuits	3
EE	3310L	Electronic Devices and Circuits Lab	1
EE	3450	Introduction to Electromagnetics	3
EE	3450L	Introduction to Electromagnetics Lab	1
EE	4620	Digital Integrated Circuit Design with PLDs and FPGAs	3
EE	4620L	Digital Integrated Circuit Design with PLDs and FPGAs Lab	1
<b>SPRING SEMESTER</b>			
EE	4000	Linear Systems II	3
EE	4130	Continuous Controls Systems	3
EE	4130L	Continuous Controls Systems Lab	1
EE		Technical Elective EE 2000+ Level	4
EE		Technical Elective EE 2000+ Level	4
<b>Total Hours:</b>			<b>30</b>

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FOURTH YEAR			
Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
EE	3260	Random Signals and Noise	3
EE	4210	Digital Communication	3
EE	4210L	Digital Communication Lab	1
EE	4910	Electrical Engineering Senior Design Project I	3
		Technical Elective EE 4000 Level	3
SPRING SEMESTER			
EE	4920	Electrical Engineering Senior Design Project II	3
EE		Technical Elective EE 4000 Level	4
		General Elective Credit	3-4
Total Hours:			23-24

**Total Credit Hours for Bachelor's Degree: 120**

## 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](http://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:	<b>April 1</b>
Spring Semester:	<b>October 15</b>
Summer Semester:	<b>February 1</b>

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

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## 2. TUITION AND SCHOLARSHIPS

Students interested in scholarship opportunities at Wright State should contact:

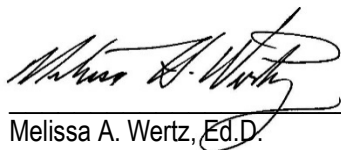
Transfer Center  
138 Student Union  
3640 Colonel Glenn Hwy.  
Dayton, OH 45435  
937-775-5700  
transfer@wright.edu

## 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.



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

26 September 2024

Date



Amy Thompson, Ph.D.  
Provost and Senior Vice President for Academic Affairs  
Wright State University

9/26/2024

Date