

# 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**

**Associate of Science**

**Electrical and Computer Engineering  
Technology  
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
ANT	121S	3	Introduction to Anthropology <small>Social &amp; Behavioral Sciences Ohio Transfer 36 Diversity Elective</small>	ATH 2150, <small>Element 3: Global Traditions</small>	3
CHM	121S	5	General Chemistry I <small>Math/Science Elective</small>	CHM 1210 + 1210L <small>Additional Core Course</small>	3+2
CIS	110S	3	Computer Concepts and Applications <small>Elective</small>	CS 1XXX <small>General Elective Credit</small>	3
CIS	221S	3	Java Programming I <small>Elective</small>	CS 1180	3
COM	121S	3	Introduction to Communication	COM 1010 <small>Additional Core Course</small>	3
ECO	221S	3	Principles of Microeconomics <small>Social &amp; Behavioral Sciences Ohio Transfer 36</small>	EC 2040 <small>Element 5: Social Science</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 1: Communication</small>	3
ENG	122S	3	Composition II	ENG 2100 <small>General Elective Credit</small>	3
HST	125S or 126S	3	Western Civilization to 1715 Western Civilization Since 1715 <small>Social &amp; Behavioral Sciences Ohio Transfer 36</small>	HST 1100 or HST 1200 <small>Element 3: Global Traditions</small>	3
HUM	121S	3	Introduction to Humanities <small>Arts &amp; Humanities Ohio Transfer 36</small>	HUM 1XXX <small>Element 4: Arts/Humanities</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 <small>Major Elective</small>	MTH 2310 + Elective <small>Additional Core Course + General Elective Credit</small>	4+1
PHY	121S or	5	College Physics I	PHY 1110 + 1110L or	4+1

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	241S		Science and Engineering Physics I <small>Natural Science Ohio Transfer 36 Elective</small>	PHY 2400 + 2400L <small>Element 6: Natural Science</small>	
PHY	122S or 242S	5	College Physics II Science and Engineering Physics II <small>Natural Science Ohio Transfer 36 Elective</small>	PHY 1120 + 1120L or PHY 2410 + 2410L <small>Element 6: Natural Science</small>	4+1
		3	<b>Two Ohio Transfer 36 Arts &amp; Humanities Courses (from List Below)</b>	General Elective Credit (Consult with Edison and Wright State Advisors)	3
<b>TOTAL</b>		<b>64</b>			<b>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
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 electrical and computer engineering technology major are automatically admitted as Pre-Electrical and Computer Engineering Technology students.
- In order to be admitted fully as an electrical and computer engineering technology major at Wright State, students will need to achieve a cumulative GPA of a 2.25.
- 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.

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- Students must earn a C or higher in ELT 110S; ELT 210S; ENG 121S; MTH 221S; and PHY 121S or 241S at Edison State.
- EE 1000 requirement will be waived after completing this associate degree.
- 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 <small>Math/Science Elective</small>	5	CHM	1210 + 1210L	General Chemistry I + Lab <small>Additional Core Course</small>	3+2
CIS	110S	Computer Concepts and Applications <small>Elective</small>	3	CS	1010	Introduction to Computers and Office Productivity Software <small>General Elective Credit</small>	3
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 <small>Element 2: Mathematics + General Elective Credit</small>	4+1
SPRING SEMESTER							
CIS	221S	Java Programming I <small>Elective</small>	3	CS	1180	Computer Science I <small>(Course Equivalency to Be Awarded After Completing CIS 222S)</small>	3
ENG	122S	Composition II	3	ENG	2100	Research Writing and Argumentation <small>General Elective Credit</small>	3
ELT	110S	Circuits I <small>Elective</small>	3	EE	1XXX	Non-Equivalent Transfer Course <small>(EE 2010/2010L Will Be Granted after Completing ELT 210S)</small>	2
HST	125S or 126S	Western Civilization to 1715 Western Civilization Since 1715 <small>Social &amp; Behavioral Sciences Ohio Transfer 36</small>	3	HST	1100 or 1200	Western Civilization to 1500 The West and the World Since 1500 <small>Element 3: Global Traditions</small>	3
MTH	222S	Calculus/Analytical Geometry II <small>Major Elective</small>	5	MTH	2310	Calculus II <small>Additional Core Course + General Elective Credit</small>	4+1
<b>Total Hours:</b>			<b>33</b>	<b>Total Hours:</b>			<b>33</b>

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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							
ANT	121S	Introduction to Anthropology <small>Social &amp; Behavioral Sciences Ohio Transfer 36 Diversity Elective</small>	3	ATH	2150	Comparative Nonwestern Culture <small>Element 3: Global Traditions</small>	3
COM	121S	Introduction to Communication	3	COM	1010	Essentials of Public Address <small>General Elective Credit</small>	3
ELT	210S	Circuits II <small>Elective</small>	3	EE	2010 + 2010L	Analog Circuit Theory + Lab	3+1
HUM	121S	Introduction to Humanities <small>Arts &amp; Humanities Ohio Transfer 36</small>	3	HUM	1XXX	Non-Equivalent Course <small>Element 4: Arts/Humanities</small>	3
PHY	121S or 241S	College Physics I Science and Engineering Physics I <small>Natural Science Ohio Transfer 36</small>	5	PHY	1110 + 1110L or 2400 + 2400L	Principles of Physics I + Principles of Physics I Lab General Physics I + General Physics I Lab <small>Element 6: Natural Science</small>	4+1
SPRING SEMESTER							
ECO	221S	Principles of Microeconomics <small>Social &amp; Behavioral Sciences Ohio Transfer 36</small>	3	EC	2040	Principles of Microeconomics <small>Element 5: Social Science</small>	3
ELT	141S	Digital Electronics <small>Elective</small>	3	EE	2000 + 2000L	Digital Design with HDL + Lab	2+1
PHY	122S or 241S	College Physics II Science and Engineering Physics II <small>Natural Science Ohio Transfer 36</small>	5	PHY	1120 + 1120L or 2410 + 2410L	Principles of Physics II + Principles of Physics II Lab General Physics II + General Physics II Lab <small>Element 6: Natural Science</small>	4+1
		One Ohio Transfer 36 Arts & Humanities Course	3			General Elective Credit (Consult with Edison and Wright State Advisors)	3
Total Hours:			31	Total Hours:			31

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

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

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SUBJECT CODE	COURSE NUMBER	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
CIS	222S	3	Java Programming II	CS 1181	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>			
CEG	2350	Operation Systems Concept and Usage	4
CS	2200	Discrete Structures and Their Algorithms	4
EE	3310	Electronic Devices and Circuits	3
EE	3310L	Electronic Devices and Circuits 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>			
CEG	3310	Computer Organization	4
CEG/CS/ EE		Technical Elective 4000 Level with Lab (Excludes Capstone and Internship Courses)	4
EE	3510	Continuous and Discrete Linear Systems	3
EGR ENG	3350 or 2140	Technical Communications for Engineers and Scientists Research, Technical Writing, and Presentation for Scientists and Engineers <small>Element 1: Communication</small>	3
<b>Total Hours:</b>			<b>30</b>

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## FOURTH YEAR

### Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
<b>FALL SEMESTER</b>			
CEG/CS/EE		Technical Elective 4000 Level (Excludes Capstone and Internship Courses)	3
CS	3100	Data Structures and Algorithms	3
EE	4120	Industrial Controls and Automation	3
EE	4120L	Industrial Controls and Automation Lab	1
EE	4130	Continuous Control Systems	3
EE	4130L	Continuous Control Systems Lab	1
EE	4910	Electrical Engineering Senior Design Project I	3
<b>SPRING SEMESTER</b>			
EE	4920	Electrical Engineering Senior Design Project II	3
		Technical Elective	3
		Technical Elective	3
		Technical Elective	3
		Technical Elective	1
<b>Total Hours:</b>			<b>30</b>

Total Credit Hours for Bachelor's Degree: 127

# 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:

