

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



Engineering Technology with Industrial
and Systems Engineering Track
Bachelor of Science



Studies in industrial and systems engineering (ISE) focus on doing more with less—doing things better, cheaper, faster, more safely, and with less waste. Instead of designing bridges, machines, or circuits, industrial engineers will engineer all parts of a process—people, machines, materials, information, and energy—to make a product or provide a service.

Students interested in ISE must contact the advising office (cecs-advisors@wright.edu or 937-775-5272) at Wright State University as early in their interest as possible.

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
CIS	110S	3	Computer Concepts and Applications	CS 1010 General Elective Credit	3
CIS	221S	3	Java Programming I Elective	CS 1180	3
COM	121S	3	Introduction to Communication	COM 1010 Element A: Communication	3
ELT	110S + 210S	3+3	Circuits I Circuits II Elective	EE 2010 + 2010L + General Elective Credit (Excess)	3+1+2
ELT	121S	3	Electronic Devices Elective	EE 3310 + 3310L	2+1
ELT	141S	3	Digital Electronics Elective	EE 2000 + 2000L	2+1
ENG	121S	3	Composition I	ENG 1100 Element A: Communication	3
ENG	125S	3	Technical Writing Elective	ENG 3610 (Substitutes for EGR 3350 Requirement) Element A: Communication	3
MTH	221S	5	Calculus/Analytical Geometry I Mathematics, Statistics, & Logic Ohio Transfer 36	MTH 2300 + Elective Element B: Mathematics + General Elective Credit	4+1
PHY	121S or 241S	5	College Physics I Science and Engineering Physics I Natural & Physical Sciences Ohio Transfer 36	PHY 1110 + 1110L or PHY 2400 + 2400L Element E: Natural Science	4+1
PHY	122S or 242S	5	College Physics II	PHY 1120 + 1120L or PHY 2410 + 2410L	4+1

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			Science and Engineering Physics II <small>Natural & Physical Sciences Ohio Transfer 36</small>	Element E: Natural Science	
		3	Statistics for Engineers <small>Elective (Completed at Wright State through SOCHE Agreement While Studying at Edison State)</small>	ISE 2211	3
		3	Engineering Design and Solid Modeling <small>Elective (Completed at Wright State through SOCHE Agreement While Studying at Edison State)</small>	ME 1040	3
		3	One Ohio Transfer 36 Social & Behavioral Science History Course (from List Below)	Element C: Arts and Humanities: History	3
		3	One Ohio Transfer 36 Social & Behavioral Science Course That Is Not History (from List Below)	Element D: Social and Behavioral Science	3
		6	Two Ohio Transfer 36 Arts & Humanities Courses from Different Subjects (from List Below)	Element C: Arts and Humanities	6
TOTAL		60			60

- Choose one Ohio Transfer 36 Social & 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
HST 126S	3	Western Civilization Since 1715	HST 1200	3

- Choose one Ohio Transfer 36 Social & Behavioral Science course that is not history from:

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EDISON STATE COURSE	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
ECO 120S	3	Fundamentals of Economics	EC 2XXX	3
ECO 221S	3	Principles of Microeconomics	EC 2040	3
ECO 222S	3	Principles of Macroeconomics	EC 2050	3
GEO 121S	3	Physical Geography	GEO 2100	3
GEO 123S	3	Human Geography	GEO 2200	3
PLS 121S	3	American National Government	PLS 2120	3
PLS 122S	3	State & Local Government	PLS 3220	3
PSY 121S	3	Introduction to Psychology	PSY 1010	3
SOC 121S	3	Introduction to Sociology	SOC 2000	3
SOC 224S	3	Race & Ethnicity	SOC 3620	3

- Choose two Ohio Transfer 36 Arts & 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

- All students with declared Engineering Technology major are automatically admitted as Pre-Engineering Technology students.

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- In order to be admitted fully as an engineering technology major at Wright State, students will need to achieve a cumulative GPA of a 2.25 at Wright State.
- Students must earn a C or higher in ENG 121S, MTH 221S, and PHY 121S or 241S at Edison State.
- 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							
ELT	110S	Circuits I Elective	3	EE	1XXX	Non-Equivalent Transfer Course (EE 2010 and 2010L Will Be Awarded after Completing Both ELT 110S and 210S) General Elective Credit (Excess)	2+1
ENG	121S	Composition I	3	ENG	1100	Academic Writing and Reading Element A: Communication	3
MTH	221S	Calculus/Analytical Geometry I Mathematics, Statistics, & Logic Ohio Transfer 36	5	MTH	2300	Calculus I + Elective Element B: Mathematics + General Elective Credit	4+1
		One Ohio Transfer 36 Social & Behavioral Sciences History Course	3			Element C: Arts and Humanities: History	3
SPRING SEMESTER							
ELT	121S	Electronic Devices Elective	3	EE	3310 + 3310L	Electronic Devices and Circuits + Lab	2+1
ELT	141S	Digital Electronics Elective	3	EE	2000 + 2000L	Digital Design with HDL + Lab	2+1
ELT	210S	Circuits II Elective	3	EE	2010 + 2010L	Analog Circuit Theory + Lab (EE 2010 and 2010L Will Be Awarded after Completing Both ELT 110S and 210S)	3+1
PHY	121S or 241S	College Physics I Science and Engineering Physics I Natural & Physical Sciences Ohio Transfer 36	5	PHY	1110 + 1110L or 2400 + 2400L	Principles of Physics I + Lab General Physics I + Lab Element E: Natural Science	4+1
SUMMER SEMESTER							
		Ohio Transfer 36 Arts & Humanities Course	3			Element C: Arts and Humanities	3
Total Hours:			31	Total Hours:			31

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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							
CIS	110S	Computer Concepts and Applications	3	CS	1010	Introduction to Computers and Office Productivity Tools <small>General Elective Credit</small>	3
PHY	122S or 242S	College Physics II Science and Engineering Physics II <small>Natural & Physical Sciences Ohio Transfer 36</small>	5	PHY	1120 + 1120L or 2410 + 2410L	Principles of Physics II + Lab General Physics II + Lab <small>Element E: Natural Science</small>	4+1
		Elective (Completed at Wright State through SOCHE Agreement While Studying at Edison State)	3	ME	1040	Engineering Design and Solid Modeling	3
		Ohio Transfer 36 Social & Behavioral Science Course That Is Not History	3			Element D: Social and Behavioral Science	3
SPRING SEMESTER							
CIS	221S	Java Programming I <small>Elective</small>	3	CS	1180	Computer Science I	3
COM	121S	Introduction to Communication	3	COM	1010	Essentials of Public Address <small>Element A: Communication</small>	3
ENG	125S	Technical Writing <small>Elective</small>	3	ENG	3610	Technical Writing (Substitutes for EGR 3350 Requirement) <small>Element A: Communication</small>	3
		Ohio Transfer 36 Arts & Humanities Course	3			Element C: Arts and Humanities	3
		Elective (Completed at Wright State through SOCHE Agreement While Studying at Edison State)	3	ISE	2211	Statistics for Engineers	3
Total Hours:			29	Total Hours:			29

Total Credit Hours for Associate Degree: 60

BUSINESS ANALYTICS EMPHASIS

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THIRD YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
ISE	4150	Advanced Probability & Statistics for Engineers	3
ISE	4711	Operations Research I	3
ISE	4400	Engineering Economy	3
ISE	4850	Six Sigma for Engineers	3
MIS	3000	Fundamentals of Information Systems	3
SPRING SEMESTER			
EE	4120	Industrial Controls and Automation	3
EE	4120L	Industrial Controls and Automation Lab	1
ISE	4510 or 4820	Computer Applications in ISE Supply Chain Analysis and Design	3
ISE	4712	Simulation and Stochastic Models	4
ISE	4830	Engineering Project Management and Applications	3
Total Hours:			29

FOURTH YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
ISE	4810	Production and Service Systems	3
ISE	4910	Industrial Systems Design Engineering Design I	3
MIS	3820	Data Mining for Business	3
MIS	3840	Data Visualization for Business	3
		General Elective Credit	3
SPRING SEMESTER			
ISE	4920	Industrial Systems Design Engineering Design II	3
MIS	3810	Introduction to Business Data	3
MIS		Business Analytics Emphasis Electives	6
		General Elective Credit	4
Total Hours:			31

Total Credit Hours for Bachelor's Degree: 120

COMPUTING AND INFORMATION TECHNOLOGY EMPHASIS

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THIRD YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
CEG CS	2170 or 1160	Introduction to C Programming for Scientists and Engineers Introduction to Computer Programming	4
CEG	2350	Operating System Concepts and Usage	4
ISE	4150	Advanced Probability & Statistics for Engineers	3
ISE	4711	Operations Research I	3
		General Elective Credit	1
SPRING SEMESTER			
CEG	2400	Introduction to PC Networking	3
EE	4120	Industrial Controls and Automation	3
EE	4120L	Industrial Controls and Automation Lab	1
ISE	4510 or 4820	Computer Applications in ISE Supply Chain Analysis and Design	3
ISE	4712	Simulation and Stochastic Models	4
Total Hours:			29

FOURTH YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
ISE	4400	Engineering Economy	3
ISE	4810	Production and Service Systems	3
ISE	4850	Six Sigma for Engineers	3
ISE	4910	Industrial Systems Design Engineering Design I	3
		General Elective Credit	3
SPRING SEMESTER			
CEG	3400	Introduction to CyberSecurity	3
CS	3700	Introduction to Databases and Modeling	3
ISE	4830	Engineering Project Management and Applications	3
ISE	4920	Industrial Systems Design Engineering Design II	3
		General Elective Credit	4
Total Hours:			31

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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.

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 an engineering technology major at Wright State, students will need to achieve a cumulative GPA of a 2.25 at Wright State.

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

2. TUITION AND SCHOLARSHIPS

Students interested in scholarship opportunities at Wright State should contact:

Transfer Center

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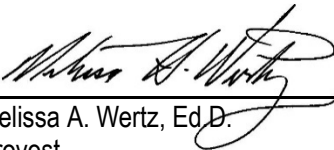
138 Student Union
3640 Colonel Glenn Hwy.
Dayton, OH 45435
937-775-5700
transfer@wright.edu

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

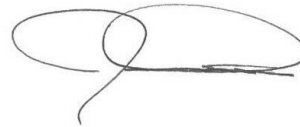
This agreement will expire two years from date of signature.



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

9 July 2025

Date



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

7/9/2025

Date