

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Start at 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

**Industrial and Systems Engineering
with General or Humans and Systems
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.

SUBJECT CODE	COURSE NUMBER	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
ANT MUS REL	121S 127S, or 121S	3	Introduction to Anthropology Music as a World Phenomenon World Religions	ATH 2150, MUS 2420, or REL 2320 Element 3: Global Traditions	3
COM	121S	3	Introduction to Communication	COM 1010 General Elective Credit	3
ENG	121S	3	Composition I	ENG 1100 Element 1: Communication	3
ENG	125S	3	Technical Writing	EGR 3350 Element 1: Communication	3
HST	125S or 126S	3	Western Civilization to 1715 Western Civilization Since 1715 Social & Behavioral Sciences Ohio Transfer 36	HST 1100 or HST 1200 Element 3: Global Traditions	3
MTH	221S	5	Calculus/Analytical Geometry I Mathematics, Statistics, & Logic Ohio Transfer 36	MTH 2300 + Elective Element 2: Mathematics + General Elective Credit	4+1
MTH	222S	5	Calculus/Analytical Geometry II	MTH 2310 + Elective Additional Core Course + General Elective Credit	4+1
PHY	241S	5	Science and Engineering Physics I Natural Science Ohio Transfer 36	PHY 2400 + 2400L Element 6: Natural Science	4+1
PHY	242S	5	Science and Engineering Physics II Natural Science Ohio Transfer 36	PHY 2410 + 2410L Additional Core Course	4+1
PSY	121S	3	Introduction to Psychology Social & Behavioral Sciences Ohio Transfer 36	PSY 1010 Element 5: Social Science	3
		3	One Ohio Transfer 36 Arts & Humanities Course (from List Below)	Element 4: Arts/Humanities	3

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		3	One Ohio Transfer 36 Social & Behavioral Sciences Course (from List Below)	Element 5: Social Science	3
		4-5	One Ohio Transfer 36 Natural Science Course (from List Below)	Element 6: Natural Science (Substitutes for ISE 1110 Requirement)	4-5
TOTAL		48-49			48-49

- 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 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

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

EDISON STATE COURSE	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
ANT 121S	3	Introduction to Anthropology	ATH 2150	3

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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 2000	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
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
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 one Ohio Transfer 36 Natural Sciences course from:

EDISON STATE COURSE	EDISON STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
BIO 121S	4	Intro Biology: Cells/Genetics/ Evolution	BIO 1120	4
BIO 125S	4	Anatomy & Physiology I	ANT 2100	4
CHM 121S	5	General Chemistry I	CHM 1210 + 1210L	3+2
GLG 121S	4	Physical Geology	EES 2510	4
PHY 121S	5	College Physics I	PHY 1110 + 1110L	4+1

- 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 industrial and systems engineering major are automatically admitted as Pre-Industrial and Systems Engineering students.
- In order to be admitted fully as an industrial and systems engineering 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 241S at Edison State.
- 120 hours minimum are required for a BS degree at Wright State.

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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							
ENG	121S	Composition I	3	ENG	1100	Academic Writing and Reading <small>Element 1: Communication</small>	3
HST	125S or 126S	Western Civilization to 1715 Western Civilization Since 1715 <small>Social & Behavioral Sciences Ohio Transfer 36</small>	3	HST	1100 or 1200	Western Civilizations to 1500 The West and the World Since 1500 <small>Element 3: Global Traditions</small>	3
MTH	221S	Calculus/Analytical Geometry I <small>Mathematics, Statistics, & Logic Ohio Transfer 36</small>	5	MTH	2300	Calculus I + Elective <small>Element 2: Mathematics + General Elective Credit</small>	4+1
		Natural & Physical Science Ohio Transfer 36 Course	4-5			Element 6: Natural Science (Substitutes for ISE 1110 Requirement)	4-5
SPRING SEMESTER							
ANT MUS REL	121S, 127S, or 121S	Introduction to Anthropology Music as a World Phenomenon World Religions	3	ATH MUS REL	2150, 2420, or 2320	Comparative Nonwestern Cultures Comparative Nonwestern Cultures – Music Nonwestern Religions <small>Element 3: Global Traditions</small>	3
MTH	222S	Calculus/Analytical Geometry II	5	MTH	2310	Calculus II + Elective <small>Additional Core Course + General Elective Credit</small>	4+1
PHY	241S	Science and Engineering Physics I <small>Natural Science Ohio Transfer 36</small>	5	PHY	2400 + 2400L	General Physics I + Lab <small>Element 6: Natural Science</small>	4+1
PSY	121S	Introduction to Psychology <small>Social & Behavioral Sciences Ohio Transfer 36</small>	3	PSY	1010	Introduction to Psychology <small>Element 5: Social Science</small>	3
Total Hours:			31-32	Total Hours:			31-32

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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							
COM	121S	Introduction to Communication	3	COM	1010	Essentials of Public Address <small>General Elective Credit</small>	3
ENG	125S	Technical Writing	3	EGR	3350	Technical Communications for Engineers and Scientists <small>Element 1: Communication</small>	3
PHY	242S	Science and Engineering Physics II	5	PHY	2410 + 2410L	General Physics II + Lab <small>Element 6: Natural Science</small>	4+1
		Arts & Humanities Ohio Transfer 36 Course	3			Element 4: Arts/Humanities	3
		Social & Behavioral Sciences Ohio Transfer 36 Course	3			Element 5: Social Science	3
Total Hours:			17	Total Hours:			17

Total Credit Hours for Associate Degree: 48-49

GENERAL CONCENTRATION

SECOND YEAR			
Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
SPRING SEMESTER			
CS	1160	Introduction to Computer Programming	4
ISE	2211	Statistics for Engineers	3
ME	1040	Engineering Design and Solid Modeling	3
MTH	2350	Differential Equations with Matrix Algebra	4
Total Hours:			14

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THIRD YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
ISE	4150	Advanced Probability and Statistics for Engineering	3
ISE	4300	Fundamentals of Human Factors Engineering	3
ISE	4711	Optimization Methods	3
ISE	4850	Six Sigma for Engineers	3
ME	2120	Statics	3
SPRING SEMESTER			
CS EE ME	2800, 2010 + 2010L, or 2700	Web Development I Analog Circuit Theory + Analog Circuit Theory Lab Structure and Properties of Materials I	3-4
ISE	4320	Human-System Interaction and Usability Engineering	3
ISE	4510	Computer Applications in ISE	3
ISE	4712	Simulation and Stochastic Models	4
ME	2210	Dynamics	3
Total Hours:			31-32

FOURTH YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
ISE	4310	Ergonomics	3
ISE	4400	Engineering Economy	3
ISE	4810	Production and Service Systems	3
ISE	4910	Industrial and Systems Engineering Design I	3
		Technical Elective or General Elective Credit	3
SPRING SEMESTER			
ISE	4820	Supply Chain Analysis and Design	3
ISE	4920	Industrial Systems Design Engineering Design II	3
		Technical Elective or General Elective Credit	3
		Technical Elective or General Elective Credit	2-3
Total Hours:			26-27

Total Credit Hours for Bachelor's Degree: 120-121

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HUMANS AND SYSTEMS CONCENTRATION

SECOND YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
SPRING SEMESTER			
CS	1160	Introduction to Computer Programming	4
ISE	2211	Statistics for Engineers	3
ME	1040	Engineering Design and Solid Modeling	3
		Technical Elective or General Elective Credit	3
Total Hours:			13

THIRD YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
ISE	4150	Advanced Probability and Statistics for Engineering	3
ISE	4300	Fundamentals of Human Factors Engineering	3
ISE	4711	Optimization Methods	3
ISE	4850	Six Sigma for Engineers	3
SPRING SEMESTER			
CS	2800	Web Development I	3
ISE	4320	Human-System Interaction and Usability Engineering	3
ISE	4510	Computer Applications in ISE	3
ISE	4712	Simulation and Stochastic Models	4
ISE	4820	Supply Chain Analysis and Design	3
Total Hours:			28

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FOURTH YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
ISE	4310	Ergonomics	3
ISE	4400	Engineering Economy	3
ISE	4810	Production and Service Systems	3
ISE	4910	Industrial and Systems Engineering Design I	3
PSY	3010	Research Methods in Psychology	4
SPRING SEMESTER			
ISE	4920	Industrial Systems Design Engineering Design II	3
MGT	3100	Management and Organizational Behavior	3
MIS	3000	Fundamentals of Information Systems	3
		Technical Elective or General Elective Credit	3
		Technical Elective or General Elective Credit	2-3
Total Hours:			30-31

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/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**

