

# WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Earn your associate degree from Clark State College and then transfer seamlessly to Wright State University to earn your bachelor's degree.

**Clark State College**

to

**Wright State University**

**Associate of Science**

**Industrial and Systems Engineering  
with General Concentration  
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](mailto: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/wrightpath/clark-state](http://wright.edu/wrightpath/clark-state).

SUBJECT CODE	COURSE NUMBER	CLARK STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
COM	1120	3	Public Speaking I	COM 1010 <small>General Elective Credit</small>	3
CSD	1510	3	Programming Fundamentals with Python <small>Elective</small>	CS 1160	3
ENG	1111	3	English I	ENG 1100 <small>Element 1: Communication</small>	3
ENG	1112	3	English II	ENG 2100 <small>General Elective Credit</small>	3
ENG	2230	3	Technical Report Writing <small>Advanced Elective</small>	EGR 3350 <small>Element 1: Communication</small>	3
ENG	2300	3	Great Books: World Literature <small>Arts &amp; Humanities Ohio Transfer 36 Global Awareness</small>	ENG 2040 <small>Element 4: Arts/Humanities</small>	3
FYE	1100	1	College Success	UNK 1XXX <small>General Elective Credit (Excess)</small>	1
HST	1110 or 1120	3	Western Civilization to 1600 Western Civilization Since 1600 <small>Arts &amp; Humanities Ohio Transfer 36 Global Awareness</small>	HST 1100 or HST 1200 <small>Element 3: Global Traditions</small>	3
MTH	2200	5	Calculus I <small>Mathematics, Statistics, &amp; Logic Ohio Transfer 36</small>	MTH 2300 + Elective <small>Element 2: Mathematics + General Elective Credit</small>	4+1
MTH	2220	5	Calculus II <small>Elective</small>	MTH 2310 + Elective	4+1

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				Additional Core Course + General Elective Credit	
PHY	2501	5	College Physics I with Calculus <small>Natural Science Ohio Transfer 36</small>	PHY 2400 + 2400L <small>Element 6: Natural Science</small>	4+1
PHY	2502	5	College Physics II with Calculus <small>Natural Science Ohio Transfer 36</small>	PHY 2410 + 2410L <small>Additional Core Course</small>	4+1
PSY	1111	3	Introduction to Psychology	PSY 1010 <small>Element 5: Social Science</small>	3
RST SOC	2700 or 2220	3	Regional Studies: Africa Comparing Cultures <small>Social &amp; Behavioral Sciences Ohio Transfer 36 Global Awareness</small>	RST 2710 or ATH 2150 <small>Element 3: Global Traditions</small>	3
		3	<b>One Ohio Transfer 36 Arts &amp; Humanities Course</b>	General Elective Credit (Consult with Clark & Wright State Advisors)	3
		3	<b>One Ohio Transfer 36 Social &amp; Behavioral Sciences Course</b>	Element 5: Social Science (Consult with Clark & Wright State Advisors)	3
		4-5	<b>One Ohio Transfer 36 Natural Science Course</b> <small>Elective</small>	Element 6: Natural Science (Substitutes for ISE 1110 Requirement)	4-5
		3	Statistics for Engineers (Completed at Wright State through SOCHE Agreement While Studying at Clark State) <small>Elective</small>	ISE 2211	3
		3	Engineering Design and Solid Modeling (Completed at Wright State through SOCHE Agreement While Studying at Clark State) <small>Elective</small>	ME 1040	3
		4	Differential Equations with Matrix Algebra (Completed at Wright State through SOCHE Agreement While Studying at Clark State) <small>Elective</small>	MTH 2350 <small>Other Requirement</small>	4

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<b>TOTAL</b>		<b>68-69</b>			<b>68-69</b>

- Choose one Ohio Transfer 36 Arts and Humanities course from:

CLARK STATE COURSE	CLARK STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
ART 1001	3	Art History I	ART 1XXX	3
ART 1002	3	Art History II	ART 1XXX	3
ART 1300	3	Appreciation of the Arts	ART 2140	3
ENG 1600	3	Introduction to Literature	ENG 1XXX	3
ENG 2610	3	British Literature to 1800	ENG 3210 or ENG 3220	3
ENG 2620	3	British Literature from 1800 to the Present	ENG 3230	3
HST 1110 or HST 1120	3	Western Civilization to 1600 Western Civilization Since 1600	HST 1100 or HST 1200	3
HST 1210	3	American History to 1865	HST 2110	3
HST 1220	3	American History Since 1865	HST 2120	3
MUS 1130	3	Music Appreciation	MUS 2140	3
PHL 2000	3	Critical Thinking	PHL 3000	3
PHL 2100	3	Ethics	PHL 3110	3
PHL 2300	3	Medical Ethics	PHL 2XXX	3
PHL 2400	3	Philosophy of World Religions	REL 2320	3
THE 1130	3	Theatre Appreciation	TH 2140	3
THE 1133	3	Script Analysis	TH 2500	3
THE 2241	3	Theatre History I	TH 2XXX	3
THE 2242	3	Theatre History II	TH 2XXX	3

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

CLARK STATE COURSE	CLARK STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
ECO 1100	3	General Economics	EC 2000	3
ECO 2210	3	Principles of Macroeconomics	EC 2050	3
ECO 2220	3	Principles of Microeconomics	EC 2040	3

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GEO 1100	3	Human Geography	GEO 2200	3
GEO 2200	3	World Regional Geography	GEO 3300	3
PLS 1100	3	Introduction to American Politics	PLS 2120	3
PLS 1300	3	Introduction to Comparative Politics	PLS 3020	3
PLS 2300	3	Introduction to International Relations	PLS 2220	3
PLS 2400	3	State and Local Politics	PLS 3220	3
PSY 1111	3	Introduction to Psychology	PSY 1010	3
RST 2700	3	Regional Studies: Africa	RST 2710 <small>Element 3: Global Traditions</small>	3
SOC 2220	3	Comparing Cultures	ATH 2150 <small>Element 3: Global Traditions</small>	3
SOC 2230	3	Social Problems	SOC 2200	3
SOC 2240	3	Racial and Cultural Minorities	SOC 3620	3
SOC 2250	3	Sociology of Poverty: Feminization of Poverty	SOC 2XXX	3

- Choose one Ohio Transfer 36 Natural Sciences course from:

CLARK STATE COURSE	CLARK STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
BIO 1410	4	Fundamentals of Biology	BIO 1XXX	4
BIO 1420	4	Global Biology	BIO 1XXX	4
BIO 1510	5	Biology I	BIO 1120 + Elective	4+1
BIO 2121	4	Anatomy & Physiology I	ANT 2100	4
CHM 1150	4	Introduction to General Chemistry	CHM 1010 + Elective	3+1
CHM 1210	5	General Chemistry I	CHM 1210 + 1210L	3+2
GLG 1130	4	Earth and Space Science	EES 1050	4
GLG 1131	4	Physical Geology	EES 2510	4
GLG 1132	4	Historical Geology	EES 2550	4
GLG 1133	4	Environmental Geology	EES 1070	4
PHY 1100	4	Fundamentals of Physics	PHY 2450 + Elective	3.5+0.5
PHY 1501	5	General Physics I with Algebra	PHY 1110 + 1110L	4+1

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- 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 1111, MTH 2200, and PHY 1501 or 2501 at Clark State.
- 121-123 hours minimum are required for a BS degree at Wright State.

FIRST YEAR							
Clark State College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
ENG	1111	English I	3	ENG	1100	Academic Writing and Reading <small>Element 1: Communication</small>	3
FYE	1100	College Success	1	UNK	1XXX	Non-Equivalent Transfer Course <small>General Elective Credit (Excess)</small>	1
HST	1110 or 1120	Western Civilization to 1600 Western Civilization Since 1600 <small>Arts &amp; Humanities Ohio Transfer 36 Global Awareness</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	2200	Calculus I <small>Mathematics, Statistics, &amp; Logic Ohio Transfer 36</small>	5	MTH	2300	Calculus I + Elective <small>Element 2: Mathematics + General Elective Credit</small>	4+1
		Ohio Transfer 36 Natural & Physical Science Course <small>Elective</small>	4-5			Element 6: Natural Science (Substitutes for ISE 1110 Requirement)	4-5
SPRING SEMESTER							
COM	1120	Public Speaking I	3	COM	1010	Essentials of Public Address <small>General Elective Credit</small>	3
ENG	1112	English II	3	ENG	2100	Research Writing and Argumentation <small>General Elective Credit</small>	3
MTH	2220	Calculus II <small>Elective</small>	5	MTH	2310 + 2XXX	Calculus II + Elective <small>Additional Core Course + General Elective Credit</small>	4+1
PHY	2501	College Physics I with Calculus <small>Natural Science Ohio Transfer 36</small>	5	PHY	2400 + 2400L	General Physics I + Lab <small>Element 6: Natural Science</small>	4+1
SUMMER SEMESTER							
ENG	2300	Great Books: World Literature <small>Arts &amp; Humanities Ohio Transfer 36 Global Awareness</small>	3	ENG	2040	Great Books: Literature <small>Element 4: Arts/Humanities</small>	3
PSY	1111	Introduction to Psychology	3	PSY	1010	Introduction to Psychology <small>Element 5: Social Science</small>	3
<b>Total Hours:</b>			<b>38-39</b>	<b>Total Hours:</b>			<b>38-39</b>

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SECOND YEAR							
Clark State College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
ENG	2230	Technical Report Writing <small>Advanced Elective</small>	3	EGR	3350	Technical Communications for Engineers and Computer Scientists <small>Element 1: Communication</small>	3
PHY	2502	College Physics II with Calculus <small>Natural Science Ohio Transfer 36</small>	5	PHY	2410 + 2410L	General Physics II + Lab <small>Additional Core Course</small>	4+1
		Elective <small>(Completed at Wright State through SOCHE Agreement While Studying at Clark State)</small>	3	ME	1040	Engineering Design and Solid Modeling	3
		Elective <small>(Completed at Wright State through SOCHE Agreement While Studying at Clark State)</small>	4	MTH	2350	Differential Equations with Matrix Algebra <small>Other Requirement</small>	4
SPRING SEMESTER							
CSD	1510	Programming Fundamentals with Python <small>Elective</small>	3	CS	1160	Introduction to Computer Programming	3
RST SOC	2700 or 2220	Regional Studies: Africa Comparing Cultures <small>Social &amp; Behavioral Sciences Ohio Transfer 36 Global Awareness</small>	3	RST ATH	2710 or 2150	Regional Studies: Africa Comparative Nonwestern Cultures <small>Element 3: Global Traditions</small>	3
		One Ohio Transfer 36 Social & Behavioral Sciences Course	3			Element 5: Social Science	3
		One Ohio Transfer 36 Arts & Humanities Course	3			General Elective Credit	3
		Elective <small>(Completed at Wright State through SOCHE Agreement While Studying at Clark State)</small>	3	ISE	2211	Statistics for Engineers	3
<b>Total Hours:</b>			<b>30</b>	<b>Total Hours:</b>			<b>30</b>

**Total Credit Hours for Associate Degree: 68-69**

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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	2800, 2010 + 2010L, or	Web Development I	3-4
EE		Analog Circuit Theory + Analog Circuit Theory Lab	
ME	2700	Structure and Properties of Materials I	
ISE	4320	Human-System Interaction and Usability Engineering	3
ISE	4510	Computer Applications in ISE	4
ISE	4712	Simulation and Stochastic Models	4
ME	2210	Dynamics	3
<b>Total Hours:</b>			<b>32-33</b>

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	3
SPRING SEMESTER			
ISE	4820	Supply Chain Analysis and Design	3
ISE	4920	Industrial Systems Design Engineering Design II	3
<b>Total Hours:</b>			<b>21</b>

**Total Credit Hours for Bachelor's Degree: 121-123**

## 1. ADMISSIONS AND DEADLINES

*Join the Wright Path Program*

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Students interested in applying to the Wright Path must submit a request for membership at [wright.edu/wrightpath/clark-state](http://wright.edu/wrightpath/clark-state).

High School students must have completed their junior year before applying to the Wright Path, and current Clark State College students must have a minimum 2.0 GPA.

## ***Transfer to Wright State University***

Students must earn a minimum 2.0 GPA from Clark State College 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 to the Undergraduate Admission one semester prior to completing their studies at Clark State College.

In order to be admitted fully as an industrial and systems engineering major at Wright State, students will need to earn a cumulative GPA of a 2.25 at Wright State.

Students must earn a C or higher in ENG 1111, MTH 2200, and PHY 1501 or PHY 2501 at Clark State.

## **2. TUITION AND SCHOLARSHIPS**

*Students interested in scholarship opportunities at Wright State should contact:*

Transfer Student Resource Center  
Student Union 138  
3640 Colonel Glenn Hwy.  
Dayton, OH 45435  
937-775-5700  
[transfer@wright.edu](mailto:transfer@wright.edu)

## **3. CONTACT INFORMATION**



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*Clark State College*  
*Travis Binkley, Associate Dean*  
*Academic Services*  
*binkleyt@clarkstate.edu*  
*937-431-7157*

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

This agreement will expire two years from date of signature.



11/18/2022

Dr. Richard Woodfield  
Interim Vice President of Academic Affairs  
Clark State College

Date



11/18/2022

Dr. Amy Thompson  
Provost and Senior Vice President for Academic Affairs  
Wright State University

Date