

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

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

Sinclair College

to

Wright State University

Liberal Arts

**Engineering Technology with Industrial
and Systems Engineering Track
Bachelor of Science**

Associate of Arts



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 the Wright State website at wright.edu/sinclair.

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
CAM	1107	3	Introduction to Mechanical Drafting with AutoCAD <small>Elective</small>	ME 1XXX (Substitutes for ME 1040 Requirement)	3
COM	2206, 2211, or 2225	3	Interpersonal Communication Effective Public Speaking Small Group Communication	COM 2020, COM 1010, or COM 2410 <small>General Elective Credit (Excess)</small>	3
EET	1150 + 1155	4+3	DC Circuits AC Circuits <small>(EET 1150 CTAG CTEET001 Eligible Credit)</small>	EE 2010 + 2010L + 1XXX	3+1+3
ENG	1101	3	English Composition I	ENG 1100 <small>Element A: Communication</small>	3
ENG	1201	3	English Composition II	ENG 2100 <small>Element A: Communication</small>	3
MAT	1470 + 1570	3+3	College Algebra Analytic Geometry & Trigonometry <small>Elective</small>	MTH 1280 + 1350 <small>General Elective Credit (Excess)</small>	3+3
MAT	2270	5	Calculus and Analytic Geometry I <small>Mathematics, Statistics, & Logic Ohio Transfer 36 Elective</small>	MTH 2300 + Elective <small>Element B: Mathematics + General Elective Credit</small>	4+1
PHY	1141	4	College Physics I <small>Natural and Physical Sciences Ohio Transfer 36 Elective</small>	PHY 1110 + 1110L <small>Element E: Natural Science</small>	3+1
PHY	1142	4	College Physics II	PHY 1120 + 1120L <small>Element E: Natural Science</small>	3+1

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			Natural and Physical Sciences Ohio Transfer 36 Elective		
SCC	1101	1	First Year Experience	UVC 1XXX General Elective Credit	1
		3	One Multicultural Elective Course	Wright State Core Course	3
		3	One Ohio Transfer 36 Arts & Humanities History Course	Element C: Arts and Humanities - History	3
		6	Two Ohio Transfer 36 Arts & Humanities Courses	Element C: Arts and Humanities	6
		9	Three Ohio Transfer 36 Social & Behavioral Science Courses	Element D: Social and Behavioral Science	9
TOTAL		60			60

- Choose one Multicultural Elective Course from (Consult with your Sinclair and Wright State advisors for additional course options):

SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
AFR 1100	3	African American Studies	AFS 2000	3
HIS 2215	3	Survey of African History	RST 2710	3
HIS 2216	3	Survey of Latin American History	RST 2810	3
LIT 2234	3	Literature of Africa, Asia, & Latin America	ENG 2310	3
REL 1111	3	Eastern Religions	REL 2320	3
SOC 1145	3	Introduction to Cultural Anthropology	ATH 2150	3

- Choose one Ohio Transfer 36 Arts & Humanities history course from:

SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
HIS 1101	3	United States History I	HST 2110	3
HIS 1102	3	United States History II	HST 2120	3
HIS 1105	3	African American History	HST 1XXX	3

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HIS 1111	3	Western Civilization I	HST 1100	3
HIS 1112	3	Western Civilization II	HST 1200	3
HIS 2215	3	Survey of African History	RST 2710	3
HIS 2216	3	Survey of Latin American History	RST 2810	3
HIS 2217	3	Survey of East Asian History	RST 2XXX	3
HIS 2218	3	History of Ohio	HST 2XXX	3

- Choose two Ohio Transfer 36 Arts & Humanities courses from (Consult with your Sinclair and Wright State advisors for additional course options):

SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
ART 1110	3	Art Appreciation: Introduction to Art & Art Media	ART 2140	3
ART 2230	3	Art History: Ancient through Medieval Periods	ART 2110	3
ART 2231	3	Art History: Renaissance through Contemporary Periods	ART 2120	3
ART 2235	3	History of Photography	ART 2XXX	3
ART 2236	3	History of Women Artists	ART 2XXX	3
ART 2237	3	History of American Art	ART 2XXX	3
ART 2238	3	History of African Art	RST 2XXX	3
ART 2239	3	History of Asian Art	ART 2XXX	3
HIS 1101	3	United States History I	HST 2110	3
HIS 1102	3	United States History II	HST 2120	3
HIS 1105	3	African American History	HST 1XXX	3
HIS 1111	3	Western Civilization I	HST 1100	3
HIS 1112	3	Western Civilization II	HST 1200	3
HIS 2215	3	Survey of African History	RST 2710	3
HIS 2216	3	Survey of Latin American History	RST 2810	3
HIS 2217	3	Survey of East Asian History	RST 2XXX	3
HIS 2218	3	History of Ohio	HST 2XXX	3
HUM 1125	3	Introduction to the Humanities	HUM 1XXX	3
HUM 1130	3	Humanity & the Challenge of Technology	CS 1XXX	3
HUM 1131	3	The Search for Utopia	PHL 1XXX	3
HUM 1135	3	Environmental Ethics	EES 2600	3

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HUM 1141	3	Appalachian History & Culture	UNK 1XXX	3
LIT 2201	3	British Literature I	ENG 3210 or ENG 3220	3
LIT 2202	3	British Literature II	ENG 3230	3
LIT 2211	3	American Literature I	ENG 3310	3
LIT 2212	3	American Literature II	ENG 3320	3
LIT 2217	3	Images of Women in Literature	ENG 2XXX	3
LIT 2220	3	Introduction to Literature	ENG 2XXX	3
LIT 2230	3	Great Books of the Western World	ENG 2040	3
LIT 2234	3	Literature of Africa, Asia & Latin America	ENG 2310	3
LIT 2236	3	African-American Literature	ENG 2050	3
LIT 2400	3	Children's & Adolescent Literature	ENG 2XXX	3
MUS 1121	3	Music Appreciation	MUS 2140	3
MUS 1123	3	World Music	MUS 2420	3
MUS 2117	3	Surveys of Musical Styles I	MUS 1210	3
MUS 2118	3	Survey of Musical Styles II	MUS 2XXX	3
PHI 2205	3	Introduction to Philosophy	PHL 2050	3
PHI 2206	3	Introduction to Ethics	PHL 3110	3
REL 1111	3	Eastern Religions	REL 2320	3
REL 1112	3	Western Religions	REL 2070	3
REL 2204	3	Great Books: The Bible & Western Culture	REL 2040	3
REL 2255	3	People & Religion	REL 2XXX	3
THE 1101	3	Theatre Appreciation	TH 2140	3
THE 2201	3	History of Theatre I	TH 2XXX	3
THE 2202	3	History of Theatre II	TH 2XXX	3

- Choose three Ohio Transfer 36 Social & Behavioral Science courses from (Consult with your Sinclair and Wright State advisors for additional course options):

SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
AFR 1100	3	African American Studies	AFS 2000	3
ECO 1100	3	Introduction to Economics	EC 2XXX	3
ECO 2160	3	Principles of Macroeconomics	EC 2050	3
ECO 2180	3	Principles of Microeconomics	EC 2040	3

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SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
GEO 1101	3	Global Forces, Local Diversity	GEO 2200	3
GEO 1102	4	Earth's Physical Environment	GEO 2100 + Elective	3+1
GEO 1201	3	World Regional Geography: People, Places & Globalization	GEO 3300	3
PLS 1120	3	American Federal Government	PLS 2120	3
PLS 1232	3	State & Local Government	PLS 3220	3
PLS 2200	3	Political Life, Systems & Issues	PLS 2000	3
PLS 2220	3	International Relations	PLS 2220	3
PSY 1100	3	General Psychology	PSY 1010	3
PSY 1160	3	Black Psychology	PSY 1XXX	3
PSY 2200	3	Lifespan Human Development	PSY 3410	3
PSY 2205	3	Child Development	PSY 2000	3
PSY 2206	3	Adolescent & Adult Development	PSY 2XXX	3
PSY 2217	3	Abnormal Psychology	PSY 3110	3
PSY 2220	3	Personality Psychology	PSY 3310	3
PSY 2225	3	Social Psychology	PSY 3510	3
PSY 2228	3	Industrial Organizational Psychology	PSY 2XXX	3
PSY 2242	3	Educational Psychology	ED 2700	3
SOC 1101	3	Introduction to Sociology	SOC 2000	3
SOC 1115	3	Sociology of Marriage & Family	SOC 3100	3
SOC 1117	3	Popular Culture	SOC 1XXX	3
SOC 1145	3	Introduction to Cultural Anthropology	ATH 2150	3
SOC 1160	3	Sociology of Aging	SOC 1XXX	3
SOC 2205	3	Social Problems	SOC 2200	3
SOC 2208	3	Sociology of American Cities	SOC 2XXX	3
SOC 2215	3	Race & Ethnicity	SOC 3620	3
SOC 2226	3	Criminology	SOC 3700	3

- All students with declared Engineering Technology major are automatically admitted as Pre-Engineering Technology students.
- 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 1101, MAT 2270, and PHY 1141 at Sinclair.
- 121-122 hours minimum are required for a BS degree at Wright State.

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FIRST YEAR							
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SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
COM	2206, 2211, or 2225	Interpersonal Communication Effective Public Speaking Small Group Communication	3	COM	2020, 1010, or 2410	Interpersonal Communication Essentials of Public Address Small-Group Communication <small>General Elective Credit</small>	3
ENG	1101	English Composition I	3	ENG	1100	Academic Writing and Reading <small>Element A: Communication</small>	3
MAT	1470	College Algebra <small>Elective</small>	3	MTH	1280	College Algebra <small>General Elective Credit (Excess)</small>	3
SCC	1101	First Year Experience	1	UVC	1XXX	Non-Equivalent Transfer Course <small>General Elective Credit</small>	1
		Ohio Transfer 36 Social & Behavioral Science Course	3			Element D: Social and Behavioral Science	3
SPRING SEMESTER							
ENG	1201	English Composition II	3	ENG	2100	Research Writing and Argumentation <small>Element A: Communication</small>	3
MAT	1570	Analytic Geometry & Trigonometry <small>Elective</small>	3	MTH	1350	Analytic Geometry & Trigonometry <small>General Elective Credit (Excess)</small>	3
		Ohio Transfer 36 Arts & Humanities History Course	3			Element C: Arts and Humanities: History	3
		Ohio Transfer 36 Social & Behavioral Science Course	3			Element D: Social and Behavioral Science	3
		Multicultural Elective Course	3			Wright State Core Course	3
Total Hours:			28	Total Hours:			28

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SECOND YEAR							
Sinclair College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
EET	1150	DC Circuits Elective	4	EE	1XXX	Non-Equivalent Transfer Course (EE 2010 and 2010L Will Be Awarded after Completing Both EET 1150 and 1155)	3
MAT	2270	Calculus and Analytic Geometry I Mathematics, Statistics, & Logic Ohio Transfer 36 Elective	5	MTH	23000	Calculus I + Elective Element B: Mathematics + General Elective Credit (Excess)	4+1
PHY	1141	College Physics I Natural & Physical Sciences Ohio Transfer 36 Elective	4	PHY	1110 + 1110L	Principles of Physics I + Lab Element E: Natural Science	3+1
		Ohio Transfer 36 Social & Behavioral Science Course	3			Element D: Social and Behavioral Science	3
SPRING SEMESTER							
CAM	1107	Introduction to Mechanical Drafting with AutoCAD Elective	3	ME	1XXX	Non-Equivalent Transfer Course (Substitutes for ME 1040 Requirement)	3
EET	1155	AC Circuits Elective	3	EE	2010 + 2010L	Analog Circuit Theory + Lab (EE 2010 and 2010L Will Be Awarded after Completing Both EET 1150 and 1155)	3+1
PHY	1142	College Physics II Natural & Physical Sciences Ohio Transfer 36 Elective	4	PHY	1120 + 1120L	Principles of Physics II + Lab Element E: Natural Science	3+1
		Ohio Transfer 36 Arts & Humanities Course	6			Element C: Arts and Humanities	6
Total Hours:			32	Total Hours:			32

Total Credit Hours for Associate Degree: 60

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

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
CIS	2266	3	Python for Data Analytics	CS 2XXX	3

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				(Substitutes for CS 1160 Requirement)	
ISE	2220	3	Applied Statistics for Process Control & Improvement	ISE 2211	3
TOTAL		6			6

BUSINESS ANALYTICS EMPHASIS

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	4400	Engineering Economy	3
ISE	4711	Operations Research I	3
ISE	4850	Six Sigma for Engineers	3
SPRING SEMESTER			
EGR	3350	Technical Communications for Engineers and Scientists Element A: Communication	3
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
MIS	3000	Fundamentals of Information Systems	3
Total Hours:			28

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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 and Systems Engineering Design I	3
MIS	3820	Data Mining for Business	3
MIS	3840	Data Visualization for Business	3
SPRING SEMESTER			
EE	4120	Industrial Controls and Automation	3
EE	4120L	Industrial Controls and Automation Laboratory	1
ISE	4920	Industrial and Systems Engineering Design II	3
MIS	3810	Introduction to Business Data	3
MIS		Business Analytics Emphasis Electives	6
Total Hours:			28

Total Credit Hours for Bachelor's Degree: 122

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	2350	Operating System Concepts and Usage	4
CS	1180	Computer Science I	4
ISE	4150	Advanced Probability and Statistics for Engineering	3
ISE	4711	Operations Research I	3
SPRING SEMESTER			
CEG	2400	Introduction to PC Networking	3
EGR	3350	Technical Communications for Engineers and Scientists Element A: Communication	3
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:			30

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 and Systems Engineering Design I	3
SPRING SEMESTER			
CEG	3400	Introduction to CyberSecurity	3
CS	3700	Introduction to Databases and Modeling	3
EE	4120	Industrial Controls and Automation	3
EE	4120L	Industrial Controls and Automation Laboratory	1
ISE	4920	Industrial and Systems Engineering Design II	3
Total Hours:			25

Total Credit Hours for Bachelor's Degree: 121

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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/sinclair.

High school students must be close to graduating before applying to the Wright Path, and current Sinclair College students must have a minimum 2.0 GPA.

Transfer to Wright State University

Students must earn a minimum 2.0 GPA from Sinclair 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: **April 1**
Spring Semester: **October 15**
Summer Semester: **February 1**

Students must apply for undergraduate admission one semester prior to completing their studies at Sinclair College.

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 1101, MAT 2270, and PHY 1141 at Sinclair.

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

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3. CONTACT INFORMATION

**Sinclair College
Academic Advising Center
Building 10-301
444 W. Third St.
937-512-3700**

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

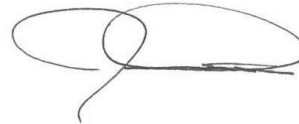
This agreement will expire two years from date of signature.



J/G /2025

Charles Long, M.S.
Manager of Curriculum, Transfer, and Articulation
Sinclair College

Date



J/G /2025

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

Date