

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

Biomedical Engineering Technology

**Engineering Technology with Electrical
Engineering Track
Bachelor of Science**

Associate of Applied Science



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
ALH	1101	2	Introduction to Healthcare Delivery	NUR 1XXX General Elective Credit (Excess)	2
ALH	1110	3	Principles of Electrocardiography	UNK 1XX General Elective Credit (Excess)	3
BIO	1101 or 1107	3	Body Structure and Function Human Biology	BIO 1XXX or KNH 2500 General Elective Credit (Excess)	3
CIS	1107	3	Introduction to Operating Systems (CTAG CTIT005 Eligible Credit)	CS 1XXX General Elective Credit (Excess)	3
CIS	1411	3	Introduction to Networks	CEG 2400 General Elective Credit (Excess) or Computing and Information Technology Emphasis	3
CIS	2731	4	A+ Hardware & Software (CTAG CTIT014 Eligible Credit)	CS 2XXX General Elective Credit (Excess)	4
COM	2211	3	Effective Public Speaking	COM 1010 Element A: Communication	3
EET	1100	1	Introduction to Biomedical Equipment Maintenance	UNK 1XXX General Elective Credit (Excess)	1
EET	1116	4	Electronics Schematics and Fabrication	UNK 1XXX General Elective Credit (Excess)	4
EET	1150 + 1155	4+3	DC Circuits AC Circuits (EET 1150 CTAG CTEET001 Eligible Credit)	EE 2010 + 2010L + 1XXX Technical Core	3+1+3
EET	1198	2	Digital Technology	UNK 1XXX	2

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				General Elective Credit (Excess)	
EET	2101	3	Biomedical Instrumentation I	UNK 2XXX	3
				General Elective Credit (Excess)	
EET	2102	3	Biomedical Instrumentation II	UNK 2XXX	3
				General Elective Credit (Excess)	
EET	2201	4	Electronic Devices and Circuits	EE 3310 + EE 3310L	3+1
EGR	1105	3	Soldering Fundamentals	UNK 1XXX	3
				General Elective Credit (Excess)	
EGR	1106	2	Basic Mechanical and Electrical Skills	UNK 1XXX	2
				General Elective Credit (Excess)	
ENG	1101	3	English Composition I	ENG 1100	3
				Element A: Communication	
HIM	1101	2	Medical Terminology	BIO 1010	2
				General Elective Credit (Excess)	
MAT	1470 + 1570 Or 1580	3+3 or 5	College Algebra Analytic Geometry and Trigonometry Precalculus	MTH 1280 + MTH 1350	3+3 or 5
				General Elective Credit (Excess)	
		3	One Ohio Transfer 36 Arts & Humanities History Course	Element C: Arts and Humanities - History	3
TOTAL		63-64			63-64

- 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
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

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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

- 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 110 at Sinclair.
- 131-150 hours minimum are required for a BS degree at Wright State.

Total Credit Hours for Associate Degree: 63-64

All students pursuing an Engineering Technology program at Wright State 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 (Substitutes for CS 1160 Requirement)	3
ISE	2220	3	Applied Statistics for Process Control & Improvement	ISE 2211	3
MAT	2270	5	Calculus and Analytic Geometry I	MTH 2300 + Elective Element B: Mathematics + General Elective Credit	4+1
TOTAL		11			11

- Students must earn a C or higher in MAT 2270 at Sinclair.

Students opting for Business Analytics and Computing and Information Technology Emphases must also complete the following coursework at Sinclair prior to transferring to Wright State in order to graduate from Wright State in a timely manner:

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SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
ISE	2240	3	Six Sigma: Green Belt	ISE 2XXX (Substitutes for ISE 4850 Requirement)	3
PHY	1141	4	College Physics I	PHY 1110 + 1110L <small>Element E: Natural Science</small>	3+1
		3	One Ohio Transfer 36 Social & Behavioral Science Course (See list below)	Element D: Social and Behavioral Science	3
TOTAL		10			10

- Students must earn a C or higher in PHY 1141 at Sinclair.
- Choose one Ohio Transfer 36 Social & Behavioral Science 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
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
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
SOC 1101	3	Introduction to Sociology	SOC 2000	3
SOC 1117	3	Popular Culture	SOC 1XXX	3
SOC 1145	3	Introduction to Cultural Anthropology	ATH 2150	3

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BUSINESS ANALYTICS EMPHASIS

THIRD YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
EE	2000	Digital Design with HDL	3
EE	2000L	Digital Design with HDL Lab	1
ME	1040	Engineering Design and Solid Modeling	3
MIS	3000	Fundamentals of Information Systems	3
PHY	1120	Principles of Physics II Element E: Natural Science	4
PHY	1120L	Principles of Physics II Lab Element E: Natural Science	1
SPRING SEMESTER			
EGR	3350	Technical Communications for Engineers and Scientists Element A: Communication	3
ISE	4830	Engineering Project Management and Applications	3
MIS	3810	Introduction to Business Data	3
		Electrical Engineering Track Elective	4
		Element D: Social and Behavioral Science	3
Total Hours:			31

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FOURTH YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
SUMMER SEMESTER			
		Wright State Core Course	3
FALL SEMESTER			
EE	4910	Senior Design I	3
ISE	4400	Engineering Economy	3
ISE	4810	Production and Service Systems	3
MIS	3820	Data Mining for Business	3
MIS	3840	Data Visualization for Business	3
SPRING SEMESTER			
EE	4920	Senior Design II	3
MIS		Business Analytics Emphasis Electives	6
		Electrical Engineering Track Elective	3-4
		Element C: Arts and Humanities Global Inquiry Integrated Writing	3
Total Hours:			33-34

Total Credit Hours for Bachelor's Degree: 144-146

COMPUTING AND INFORMATION TECHNOLOGY EMPHASIS

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THIRD YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
EE	2000	Digital Design with HDL	3
EE	2000L	Digital Design with HDL Lab	1
ME	1040	Engineering Design and Solid Modeling	3
PHY	1120	Principles of Physics II Element E: Natural Science	4
PHY	1120L	Principles of Physics II Lab Element E: Natural Science	1
		Element C: Arts and Humanities Global Inquiry Integrated Writing	3
SPRING SEMESTER			
EGR	3350	Technical Communications for Engineers and Scientists Element A: Communication	3
ISE	4830	Engineering Project Management and Applications	3
		Electrical Engineering Track Elective	4
		Element D: Social and Behavioral Science	3
		Wright State Core Course	3
Total Hours:			34

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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
EE	4910	Senior Design I	3
ISE	4400	Engineering Economy	3
ISE	4810	Production and Service Systems	3
SPRING SEMESTER			
CEG	3400	Introduction to CyberSecurity	3
CS	3700	Introduction to Databases and Modeling	3
EE	4920	Senior Design II	3
		Electrical Engineering Track Elective	3-4
Total Hours:			29-30

Total Credit Hours for Bachelor's Degree: 148-150

EARNED ASSOCIATES TECHNICAL FOUNDATIONS EMPHASIS

This emphasis is available to only transfer students with an earned associate's degree in an engineering technology field.

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THIRD YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
EC	2000, 2040, or 2050	Economic Life Principles of Microeconomics Principles of Macroeconomics <small>Element D: Social and Behavioral Science</small>	3
EE	2000	Digital Design with HDL	3
EE	2000L	Digital Design with HDL Lab	1
ME	1040	Engineering Design and Solid Modeling	3
PHY	1110	Principles of Physics I <small>Element E: Natural Science</small>	4
PHY	1110L	Principles of Physics I Lab <small>Element E: Natural Science</small>	1
SPRING SEMESTER			
EGR	3350	Technical Communications for Engineers and Scientists <small>Element A: Communication</small>	3
ISE	4830	Engineering Project Management and Applications	3
PHY	1120	Principles of Physics II <small>Element E: Natural Science</small>	4
PHY	1120L	Principles of Physics II Lab <small>Element E: Natural Science</small>	1
		Element C: Arts and Humanities <small>Global Inquiry Integrated Writing</small>	3
Total Hours:			32

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Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
EE	4910	Senior Design I	3
ISE	4400	Engineering Economy	3
ISE	4810	Production and Service Systems	3
ISE	4850	Six Sigma for Engineers	3
		Element D: Social and Behavioral Science	3
SPRING SEMESTER			
EE	4920	Senior Design II	3
		Electrical Engineering Track Elective	7-8
		Wright State Core Course	3
Total Hours:			28-29

Total Credit Hours for Bachelor's Degree: 131-133

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**

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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

3. CONTACT INFORMATION

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

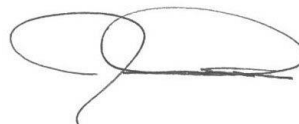
Wright State University
Transfer Center
138 Student Union
3640 Colonel Glenn Hwy.
937-775-5700

This agreement will expire two years from date of signature.



9/24/2025

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



9/24/2025

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