

# 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**

**Wright State University**

to

**Engineering and Engineering  
Technology University Transfer  
Associate of Science**

**Electrical and Computer Engineering  
Technology  
Bachelor of Science**



Students interested in Wright Path program benefits will apply to the program through the Wright State website at [wright.edu/wrightpath/sinclair](http://wright.edu/wrightpath/sinclair).

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
CHE	1211	5	General Chemistry I	CHM 1210 + 1210L <small>Additional Core Course</small>	3+2
CIS	2212	3	Java Software Development I <small>Engineering Transfer Elective</small>	CS 1180 <small>Pre-Major Course</small>	3
CIS	2217	3	Java Software Development II <small>Engineering Transfer Elective</small>	CS 1181	3
COM	2206 or 2211	3	Interpersonal Communication Effective Public Speaking	COM 2020 or COM 1010 <small>General Elective Credit (Excess)</small>	3
ECO	2160 or 2180	3	Principles of Macroeconomics Principles of Microeconomics <small>Social &amp; Behavioral Science Ohio Transfer 36 Elective</small>	EC 2050 or EC 2040 <small>Element 5: Social Science</small>	3
EET	1150 and 1155	4+3	DC Circuits AC Circuits <small>Engineering Transfer Elective</small>	EE 2010 + 2010L + Elective (Substitute for EE 2011 + 2011L Requirement) <small>Pre-Major Courses + General Elective Credit</small>	3+1+3
EGR	1101	4	Introductory Math for Engineering Applications <small>Engineering Transfer Elective</small>	EGR 1010 <small>Additional Core Course</small>	4
EGR	2131	4	Engineering Digital Design <small>Engineering Transfer Elective</small>	EE 2000 + 2000L <small>Pre-Major Courses</small>	3+1
ENG	1101	3	English Composition I	ENG 1100 <small>Element 1: Communication</small>	3
HIS	1111 or 1112	3	Western Civilization I Western Civilization II <small>Arts &amp; Humanities Ohio Transfer 36 Elective</small>	HST 1100 or HST 1200 <small>Element 3: Global Traditions</small>	3

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MAT	2270	5	Calculus and Analytic Geometry I	MTH 2300 + Elective <small>Element 2: Mathematics + General Elective Credit (Excess)</small>	4+1
MAT	2280	5	Calculus and Analytic Geometry II	MTH 2310 + General Elective Credit (Excess)	4+1
PHY	1141	4	College Physics I	PHY 1110 + 1110L <small>Element 6: Natural Science</small>	3+1
PHY	1142	4	College Physics II	PHY 1120 + 1120L <small>Element 6: Natural Science</small>	3+1
		3	<b>One Ohio Transfer 36 Arts &amp; Humanities Course</b>	Element 4: Arts/Humanities	3
		3	<b>One Ohio Transfer 36 Social &amp; Behavioral Sciences Course</b>	Element 5: Social Science	3
<b>TOTAL</b>		<b>62</b>			<b>62</b>

- Choose one Ohio Transfer 36 Arts & Humanities 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
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
DAN 1155	3	Dance History	DAN 2510 + 2520	3
DAN 1157	3	Dance Appreciation	DAN 1XXX	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

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HUM 1135	3	Environmental Ethics	EES 2600 <small>Element 3: Global Traditions</small>	3
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 <small>Element 3: Global Traditions</small>	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 <small>Element 3: Global Traditions</small>	3
MUS 2117	3	Surveys of Musical Styles I	MUS 1210	3
MUS 2118	3	Survey of Musical Styles II	MUS 2XXX	3
PHI 2204	3	Great Books: Philosophy	PHL 2040	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 <small>Element 3: Global Traditions</small>	3
REL 1112	3	Western Religions	REL 2070	3
REL 1135	3	American Religious Movements	REL 1XXX	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 one Ohio Transfer 36 Social and Behavioral Sciences course from (Consult with your Sinclair and Wright State advisors for additional course options):

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SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
AFR 1100	3	African-American Studies	AFS 2000 <small>Element 3: Global Traditions</small>	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
HIS 2219	3	Survey of the Middle East	RST 2910 <small>Element 3: Global Traditions</small>	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 <small>Element 3: Global Traditions</small>	3
SOC 1219	3	Global Poverty	SOC 1XXX	3

- All students with declared electrical and computer engineering technology major are automatically admitted as Pre-Electrical and Computer Engineering Technology students.
- In order to be admitted fully as an electrical and computer 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 CIS 2212, EGR 2131, and ENG 1101 at Sinclair.
- EE 1000 requirement will be waived after completing this associate degree.
- 120 hours minimum are required for a BS degree at Wright State.

**Students must complete the following pre-requisite coursework at Sinclair in order to register for CIS 2212:**

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
CIS	1111	3	Introductions to Problem Solving and Computer Programming	CS 1XXX	3

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				General Elective Credit (Excess)	
<b>TOTAL</b>		<b>3</b>			<b>3</b>

FIRST YEAR							
Sinclair College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
ECO	2160 or 2180	Principles of Macroeconomics Principles of Microeconomics <small>Social &amp; Behavioral Sciences Ohio Transfer 36 Elective</small>	3	EC	2050 or 2040	Principles of Macroeconomics Principles of Microeconomics <small>Element 5: Social Science</small>	3
EET	1150	DC Circuits <small>Engineering Transfer Elective</small>	4	EE	2XXX	Non-Equivalent Transfer Course <small>General Elective Credit</small>	3
ENG	1101	English Composition I	3	ENG	1100	Academic Writing and Reading <small>Element 1: Communication</small>	3
EGR	1101	Introductory Math for Engineering <small>Engineering Transfer Elective</small>	4	EGR	1010	Introductory Math for Engineering Applications <small>Additional Core Course</small>	4
SPRING SEMESTER							
COM	2206 or 2211	Interpersonal Communication Effective Public Speaking	3	COM	2020 or 1010	Interpersonal Communication Essentials of Public Address <small>General Elective Credit (Excess)</small>	3
EET	1155	AC Circuits <small>Engineering Transfer Elective</small>	3	EE	2010 + 2010L	Analog Circuit Theory Analog Circuit Theory Lab (After completing both EET 1150 and 1155) (Substitute for EE 2011 + 2011L) <small>Pre-Major Courses</small>	3+1
HIS	1111 or 1112	Western Civilization I Western Civilization II <small>Arts &amp; Humanities Ohio Transfer 36 Elective</small>	3	HST	1100 or 1200	Western Civilizations to 1500 The West and the World Since 1500 <small>Element 3: Global Traditions</small>	3
MAT	2270	Calculus and Analytic Geometry I	5	MTH	2300	Calculus I + Elective <small>Element 2: Mathematics + General Elective Credit (Excess)</small>	4+1
PHY	1141	College Physics I	4	PHY	1110 + 1110L	Principles of Physics I Principles of Physics I Lab <small>Element 6: Natural Science</small>	3+1
<b>Total Hours:</b>			<b>32</b>	<b>Total Hours:</b>			<b>32</b>

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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							
CIS	2212	Java Software Development I <small>Engineering Transfer Elective</small>	3	CS	1180	Computer Science I <small>Pre-Major Course</small>	3
MAT	2280	Calculus and Analytic Geometry II	5	MTH	2310	Calculus II + General Elective Credit (Excess)	4+1
PHY	1142	College Physics II	4	PHY	1120 + 1120L	Principles of Physics II Principles of Physics II Lab <small>Element 6: Natural Science</small>	3+1
		Ohio Transfer 36 Social & Behavioral Sciences Course	3			Element 5: Social Science	3
SPRING SEMESTER							
CHE	1211	General Chemistry I	5	CHM	1210	General Chemistry I <small>Additional Core Course</small>	3
CHE	1251	General Chemistry I Lab	0	CHM	1210	General Chemistry I Lab <small>Additional Core Course</small>	2
CIS	2217	Java Software Development II <small>Engineering Transfer Elective</small>	3	CS	1181	Computer Science II	3
EGR	2131	Engineering Digital Design <small>Engineering Transfer Elective</small>	4	EE	2000 + 2000L	Digital Design with HDL Digital Design with HDL Lab <small>Pre-Major Courses</small>	3+1
		Ohio Transfer 36 Arts & Humanities Course	3			Element 4: Arts/Humanities	3
<b>Total Hours:</b>			<b>30</b>	<b>Total Hours:</b>			<b>30</b>

**Total Credit Hours for Associate Degree: 62**

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## THIRD YEAR

### Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
<b>FALL SEMESTER</b>			
CEG	2350	Operation Systems Concept and Usage	4
CS	2200	Discrete Structures and Their Algorithms	4
EE	3310	Electronic Devices and Circuits	3
EE	3310L	Electronic Devices and Circuits Lab	1
EE	4620	Digital Integrated Circuit Design with PLDs and FPGAs	3
EE	4620L	Digital Integrated Circuit Design with PLDs and FPGAs Lab	1
<b>SPRING SEMESTER</b>			
CEG	3310	Computer Organization	4
CEG/CS/ EE		Technical Elective 4000 Level with Lab (Excludes Capstone and Internship Courses)	4
EE	3510	Continuous and Discrete Linear Systems	3
EE	4120	Industrial Controls and Automation	3
EE	4120L	Industrial Controls and Automation Lab	1
EGR ENG	3350 or 2140	Technical Communications for Engineers and Scientists Research, Technical Writing, and Presentation for Scientists and Engineers <small>Element 1: Communication</small>	3
<b>Total Hours:</b>			<b>34</b>

## FOURTH YEAR

### Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
<b>FALL SEMESTER</b>			
CEG/CS/ EE		Technical Elective 4000 Level (Excludes Capstone and Internship Courses)	3
CS	3100	Data Structures and Algorithms	3
EE	4130	Continuous Control Systems	3
EE	4130L	Continuous Control Systems Lab	1
EE	4910	Electrical Engineering Senior Design Project I	3
<b>SPRING SEMESTER</b>			
EE	4920	Electrical Engineering Senior Design Project II	3
		Technical Elective	3
		Technical Elective	3
		Technical Elective	3
		Technical Elective	1
<b>Total Hours:</b>			<b>26</b>

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Total Credit Hours for Bachelor's Degree: 125

## 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/sinclair](http://wright.edu/wrightpath/sinclair).

High school students must have completed their junior year 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 electrical and computer 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 CIS 2212, EGR 2131, and ENG 1101 at Sinclair.

## 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



