

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**

Computer Engineering

Bachelor of 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
CHE	1211	5	General Chemistry I <small>Engineering Transfer Elective</small>	CHM 1210 + 1210L <small>Element E: Natural Science</small>	3+2
CIS	2207	3	Data Structures and Algorithms <small>Engineering Transfer Elective</small>	CS 3100 <small>Required Computer Science Course Requirement</small>	3
CIS	2212	3	Java Software Development I <small>Engineering Transfer Elective (CTAG CTPROG002 Eligible Credit)</small>	CS 1180 <small>Required Computer Science Course Requirement</small>	3
CIS	2217	4	Java Software Development II <small>Engineering Transfer Elective</small>	CS 1181 <small>Required Computer Science Course Requirement</small>	4
COM	2206 or 2211	3	Interpersonal Communication Effective Public Speaking	COM 2020 or COM 1010 <small>General Elective Credit</small>	3
ENG	1101	3	English Composition I	ENG 1100 <small>Element A: Communication</small>	3
MAT	2270	5	Calculus and Analytic Geometry I	MTH 2300 + Elective <small>Element B: Mathematics + General Elective Credit</small>	4+1
MAT	2280	5	Calculus and Analytic Geometry II	MTH 2310 + Elective <small>Element B: Mathematics + General Elective Credit</small>	4+1
MAT	2330	5	Differential Equations and Linear Algebra	MTH 2350 + Elective <small>Required Mathematics/Statistics Courses Requirement + General Elective Credit</small>	4+1
MAT	2570	4	Discrete Mathematics <small>Engineering Transfer Elective</small>	MTH 2570 <small>Required Mathematics/Statistics Courses Requirement</small>	4

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PHY	2201	5	General Physics I	PHY 2400 + 2400L <small>Element E: Natural Science</small>	4+1
PHY	2202	5	General Physics II	PHY 2410 + 2410L <small>Element E: Natural Science</small>	4+1
		3	One Ohio Transfer 36 Arts & Humanities History Course	Element C: Arts and Humanities - History	3
		3	One Ohio Transfer 36 Arts & Humanities Course That Is Not History	Element C: Arts and Humanities	3
		6	Two Ohio Transfer 36 Social & Behavioral Science Courses from Two Different Subjects	Element D: Social and Behavioral Science	6
TOTAL		62			62

- Choose one Ohio Transfer 36 Arts & Humanities history 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
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

- Choose one Ohio Transfer 36 Arts & Humanities course that is not history 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

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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
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
HUM 1135	3	Environmental Ethics	EES 2600	3
HUM 1140	3	Appalachian Folkways	HST 1XXX	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	3
LIT 2236	3	African-American Literature	ENG 2050 <small>Inclusive Excellence</small>	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>Inclusive Excellence</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

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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 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 two Ohio Transfer 36 Social & Behavioral Science courses from two different subjects 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 2000	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
HIS 2219	3	Survey of the Middle East	RST 2910	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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SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
			Inclusive Excellence	

- All students with declared Computer Engineering major are automatically admitted as Pre-Computer Engineering students.
- In order to be admitted fully as a computer 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 CIS 2212, 2217, ENG 1101, and MAT 2570 at Sinclair.
- 122 hours minimum are required for a BS in Computer Engineering 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 <small>(CTAG CTPROG001 Eligible Credit)</small>	CS 1XXX <small>General Elective Credit</small>	3
TOTAL		3			3

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							
CHE	1211	General Chemistry I <small>Engineering Transfer Elective</small>	5	CHM	1210	General Chemistry I <small>Element E: Natural Science</small>	3
CHE	1251	General Chemistry I Lab	0	CHM	1210L	General Chemistry I Lab <small>Element E: Natural Science</small>	2
ENG	1101	English Composition I	3	ENG	1100	Academic Writing and Reading <small>Element A: Communication</small>	3
MAT	2570	Discrete Mathematics <small>Engineering Transfer Elective</small>	4	MTH	2570	Discrete Mathematics for Computing <small>Required Mathematics/ Statistics Courses Requirement</small>	4
SPRING SEMESTER							

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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
COM	2206 or 2211	Interpersonal Communication Effective Public Speaking	3	COM	2020 or 1010	Interpersonal Communication Essentials of Public Address <small>General Elective Credit</small>	3
CIS	2212	Java Software Development I <small>Engineering Transfer Elective</small>	3	CS	1180	Computer Science I <small>Required Computer Science Course Requirement</small>	3
MAT	2270	Calculus and Analytic Geometry I	5	MTH	2300	Calculus I + Elective <small>Element 2: Mathematics + General Elective Credit</small>	4+1
		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
Total Hours:			29	Total Hours:			29

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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	2217	Java Software Development II <small>Engineering Transfer Elective</small>	4	CS	1181	Computer Science II <small>Required Computer Science Course Requirement</small>	4
MAT	2280	Calculus and Analytic Geometry II	5	MTH	2310	Calculus II + Elective <small>Element B: Mathematics + General Elective</small>	4+1
PHY	2201	General Physics I	5	PHY	2400	General Physics I <small>Element E: Natural Science</small>	4
PHY	2207	General Physics I Lab	0	PHY	2400L	General Physics I Lab <small>Element E: Natural Science</small>	1
		Ohio Transfer 36 Arts & Humanities Course That Is Not History	3			Element C: Arts and Humanities	3
SPRING SEMESTER							
CIS	2207	Data Structures and Algorithms <small>Engineering Transfer Elective</small>	3	CS	3100	Data Structures and Algorithms <small>Required Computer Science Course Requirement</small>	3
MAT	2330	Differential Equations and Linear Algebra	5	MTH	2350	Differential Equations with Matrix Algebra + Elective <small>Required Mathematics/ Statistics Courses Requirement</small>	4+1
PHY	2202	General Physics II	5	PHY	2410	General Physics II <small>Element E: Natural Science</small>	4
PHY	2208	General Physics II Lab	0	PHY	2410L	General Physics II Lab <small>Element E: Natural Science</small>	1
		Ohio Transfer 36 Social & Behavioral Science Course	3			Element D: Social and Behavioral Science	3
Total Hours:			33	Total Hours:			33

Total Credit Hours for Associate Degree: 62

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THIRD YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
CEG	2350	Operation Systems Concept and Usage	4
CEG	3310	Computer Organization	4
CEG EE	3320 or 2000 + 2000L	Digital System Design Digital Design with HDL Digital Design with HDL with Lab	4 or 3+1
CS	1000	Technology and Society <small>Element D: Social and Behavioral Science Global Inquiry Inclusive Excellence Integrated Writing</small>	3
SPRING SEMESTER			
CEG EE	4330 or 4620 + 4620L	Microprocessor-Based Embedded Systems Digital Integrated Circuit Design with PLDs and FPGAs Digital Integrated Circuit Design with PLDs and FPGAs Lab	4 or 3+1
CEG	4350	Operating System Internals and Design	3
EE	2010	Analog Circuit Theory	3
EE	2010L	Analog Circuit Theory Lab	1
EGR ENG	3350 or 2140	Technical Communications for Engineers and Scientists Research, Technical Writing, and Presentation for Scientists and Engineers <small>Element A: Communication</small>	3
ISE STT	2211 or 3600	Statistics for Engineers Applied Statistics I	3
Total Hours:			32

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FOURTH YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
CEG	4980	Team Projects I	3
CEG/CS		Technical Elective 4000 Level	3
CEG/CS		Technical Elective 4000 Level	3
EE	3310	Electronic Devices and Circuits	3
EE	3310L	Electronic Devices and Circuits Lab	1
SPRING SEMESTER			
CEG	4981	Team Projects II	3
CEG/CS		Technical Elective 4000 Level	3
CEG/CS		Technical Elective	3
EE	3210	Continuous Linear Systems	3
Total Hours:			25

Total Credit Hours for Bachelor's Degree: 122

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**

