

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**

**Biomedical Engineering with Pre-
Medicine Concentration
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.

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>Additional Core Course</small>	3+2
CHE	1221	5	General Chemistry II <small>Engineering Transfer Elective</small>	CHM 1220 + 1220L <small>Other Course Requirement</small>	3+2
CHE	2111	5	Organic Chemistry I <small>Engineering Transfer Elective</small>	CHM 2110 + 2110L <small>Other Course Requirement</small>	3+2
COM	2206 or 2211	3	Interpersonal Communication Effective Public Speaking	COM 2020 or COM 1010 <small>General Elective Credit (Excess)</small>	3
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 & Humanities Ohio Transfer 36 Elective</small>	HST 1100 or HST 1200 <small>Element 3: Global Traditions</small>	3
MAT	2270	5	Calculus and Analytic Geometry I	MTH 2300 + Elective <small>Element 2: Mathematics + General Elective Credit</small>	4+1
MAT	2280	5	Calculus and Analytic Geometry II	MTH 2310 + Elective <small>Additional Core Course + General Elective Credit (Excess)</small>	4+1
MAT	2330	5	Differential Equations and Linear Algebra	MTH 2350 + Elective <small>Other Course Requirement + General Elective Credit (Excess)</small>	4+1
MEE	2101	3	Statics for Engineers <small>Engineering Transfer Elective</small>	ME 2120	3
MEE	2301	3	Strength of Materials for Engineers <small>Engineering Transfer Elective</small>	ME 3120	3

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PHY	2201	5	General Physics I	PHY 2400 + 2400L <small>Element 6: Natural Science</small>	4+1
PHY	2202	5	General Physics II	PHY 2410 + 2410L <small>Element 6: Natural Science</small>	4+1
PSY	1100	3	General Psychology <small>Social & Behavioral Science Ohio Transfer 36 Elective</small>	PSY 1010 <small>Element 5: Social Science</small>	3
SOC	1101	3	Introduction to Sociology <small>Social & Behavioral Science Ohio Transfer 36 Elective</small>	SOC 2000 <small>Element 5: Social Science</small>	3
		3	One Ohio Transfer 36 Arts & Humanities Course That Is Not History	Element 4: Arts/Humanities	3
TOTAL		64			64

- 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
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

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SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
HUM 1131	3	The Search for Utopia	PHL 1XXX	3
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

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SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
THE 2201	3	History of Theatre I	TH 2XXX	3
THE 2202	3	History of Theatre II	TH 2XXX	3

- All students with declared biomedical engineering major are automatically admitted as Pre-Biomedical Engineering students.
- In order to be admitted fully as a biomedical 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 CHE 1121/1251 or PHY 2201/2207, ENG 1101, and MAT 2270 at Sinclair.
- 122 hours minimum are required for a BS in Biomedical Engineering degree with Pre-Medicine Concentration at Wright State.

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>Additional Core Course</small>	3
CHE	1251	General Chemistry I Lab	0	CHM	1210L	General Chemistry I Lab <small>Additional Core Course</small>	2
ENG	1101	English Composition I	3	ENG	1100	Academic Writing and Reading <small>Element 1: Communication</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
SOC	1101	Introduction to Sociology <small>Social & Behavioral Science Ohio Transfer 36 Elective</small>	3	SOC	2000	Introduction to Sociology <small>Element 5: Social Science</small>	3
SPRING SEMESTER							
CHE	1221	General Chemistry II <small>Engineering Transfer Elective</small>	5	CHM	1220	General Chemistry II <small>Other Course Requirement</small>	3
CHE	1261	General Chemistry II Lab	0	CHM	1220L	General Chemistry II Lab <small>Other Course Requirement</small>	2
MAT	2280	Calculus and Analytic Geometry II	5	MTH	2310	Calculus II + Elective <small>Additional Core Course + General Elective Credit (Excess)</small>	4+1
PHY	2201	General Physics I	5	PHY	2400	General Physics I <small>Element 6: Natural Science</small>	4

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FIRST YEAR							
Sinclair College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
PHY	2207	General Physics I Lab	0	PHY	2400L	General Physics I Lab <small>Element 6: Natural Science</small>	1
Total Hours:			31	Total Hours:			31

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							
CHE	2111	Organic Chemistry I <small>Engineering Transfer Elective</small>	5	CHM	2110 + 2110L	Organic Chemistry I + Lab <small>Other Course Requirement</small>	3+2
MAT	2330	Differential Equations and Linear Algebra	5	MTH	2350	Differential Equations with Matrix Algebra + Elective <small>Other Course Requirement + General Elective Credit (Excess)</small>	4+1
MEE	2101	Statics for Engineers <small>Engineering Transfer Elective</small>	3	ME	2120	Statics	3
PHY	2202	General Physics II	5	PHY	2410	General Physics II <small>Element 6: Natural Science</small>	4
PHY	2208	General Physics II Lab	0	PHY	2410L	General Physics II Lab <small>Element 6: Natural Science</small>	1
SPRING SEMESTER							
COM	2206 or 2211	Interpersonal Communication Elective Public Speaking	3	COM	2020 or 1010	Interpersonal Communication Essentials of Public Address <small>General Elective Credit (Excess)</small>	3
HIS	1111 or 1112	Western Civilization I Western Civilization II <small>Arts & Humanities Ohio Transfer 36 Elective</small>	3	HST	1100 or 1200	Western Civilizations to 1500 The West and the World Since 1500	3
MEE	2301	Strength of Materials for Engineers <small>Engineering Transfer Elective</small>	3	ME	3120	Mechanics of Materials	3
PSY	1100	General Psychology <small>Social & Behavioral Sciences Ohio Transfer 36 Elective</small>	3	PSY	1010	Introduction to Psychology <small>Element 5: Social Science</small>	3
		Ohio Transfer 36 Arts & Humanities Course That Is Not History	3			Element 4: Arts/Humanities	3
Total Hours:			33	Total Hours:			33

Total Credit Hours for Associate Degree: 64

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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
CHE	2121	5	Organic Chemistry II	CHM 2120 + 2120L <small>Other Course Requirement</small>	3+2
TOTAL		5			5

Students may complete the following coursework at Sinclair prior to transferring to Wright State:

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
BIO	1141 + 1242	4+4	Principles of Anatomy & Physiology I Principles of Anatomy & Physiology II	ANT 2100 + 2120 <small>Other Course Requirement</small>	4+4
CIS	2266	3	Python for Data Analytics	CS 2XXX (Substitutes for CS 1160 Requirement)	3
TOTAL		11			11

- Students may complete ANT 2100/3100 and 2120/3120 after transferring to Wright State; however, they are strongly encouraged to complete ANT equivalent courses prior to transfer because MCAT is typically taken during the spring term of their third/junior year.

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THIRD YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
ANT	2100 or 3100	Human Anatomy and Physiology I (with Lab) Human Structure and Function I (with Lab)	4
BME	1110	Fundamentals of Biomedical Engineering	1
CS	1160	Introduction to Computer Programming	4
EE	2010	Analog Circuit Theory	3
EE	2010L	Analog Circuit Theory Lab	1
ISE	2211	Statistics for Engineers	3
SPRING SEMESTER			
ANT	2120 or 3120	Human Anatomy and Physiology II (with Lab) Human Structure and Function II (with Lab)	4
EE	3310	Electronic Devices and Circuits	3
EE	3310L	Electronic Devices and Circuits Lab	1
EE	3510	Continuous and Discrete Linear Systems	3
EGR	3350	Technical Communications for Engineers and Computer Scientists <small>Element 1: Communication</small>	3
Total Hours:			30

FOURTH YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
BME	4440	Biomaterials	4
BME	4550	Bioinstrumentation	4
BME	4910	Biomedical Engineering Design I	3
ISE	4310	Ergonomics	3
SPRING SEMESTER			
BME	4421	Biotransport	3
BME	4920	Biomedical Engineering Design II	3
		Technical Elective	3
Total Hours:			23

Total Credit Hours for Bachelor's Degree: 122

1. ADMISSIONS AND DEADLINES

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Join the Wright Path Program

Students interested in applying to the Wright Path must submit a request for membership at 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 a biomedical 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 CHE 1121/1251 or PHY 2201/2207, ENG 1101, and MAT 2270 and at Sinclair.

2. TUITION AND SCHOLARSHIPS

Students interested in scholarship opportunities at Wright State should contact:

Transfer Center
Student Union 138
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.

 8/17/2023
Anthony M. Ponder, Ed.D. Date
Senior Vice President and Provost
Sinclair College

 8/18/2023
Amy Thompson, Ph.D. Date
Provost and Senior Vice President of Academic Affairs
Wright State University