

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

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
AFR HIS SOC	1100, 2219, or 1145	3	African-American Studies Survey of the Middle East Introduction to Cultural Anthropology <small>Social & Behavioral Science Ohio Transfer 36 Elective</small>	AFS 2000, RST 2910, or ATH 2150 <small>Element 3: Global Traditions</small>	3
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
COM	2211	3	Effective Public Speaking	COM 1010 <small>General Elective Credit</small>	3
EGR	1101	4	Introductory Math for Engineering Applications <small>Engineering Transfer Elective</small>	EGR 1010 <small>Additional Core Course</small>	4
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>Other Course Requirement + General Elective Credit</small>	4+1
MAT	2330	5	Differential Equations and Linear Algebra	MTH 2350 + Elective <small>Other Course Requirement + General Elective Credit</small>	4+1

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Sinclair College

to

Wright State University

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

**Biomedical Engineering
Bachelor of Science**

MEE	2101 + 2301	3+3	Statics for Engineers Strengths of Materials for Engineering <small>Engineering Transfer Elective</small>	BME 1110 + 3211 + General Elective Credit	1+3+2
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
		3	One Ohio Transfer 36 Arts & Humanities Course	Element 4: Arts/Humanities	3
		3	One Ohio Transfer 36 Social & Behavioral Sciences Course	Element 5: Social Science	3
TOTAL		63			63

- 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 Arts	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
HUM 1135	3	Environmental Ethics	EES 2600	3
HUM 1140	3	Appalachian Folkways	HST 1XXX	3

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Sinclair College

to

Wright State University

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

**Biomedical Engineering
Bachelor of Science**

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 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	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 1105	3	Introduction to Theatre	TH 1XXX	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):

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Sinclair College

to

Wright State University

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

**Biomedical Engineering
Bachelor of Science**

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
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 <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 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 ENG 1101, EGR 1101 or MAT 2270, and CHE 1121/1251 or PHY 2201/2207 at Sinclair.
- 120 hours minimum are required for a BS in Biomedical Engineering degree 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

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Sinclair College

to

Wright State University

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

Biomedical Engineering

Bachelor of Science

FIRST YEAR							
Sinclair College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
CHE	1251	General Chemistry I Lab	0	CHM	1210L	General Chemistry I Lab <small>Additional Core Course</small>	2
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
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
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>Other Course Requirement + General Elective</small>	4+1
PHY	2201	General Physics I	5	PHY	2400	General Physics I <small>Element 6: Natural Science</small>	4
PHY	2207	General Physics I Lab	0	PHY	2400L	General Physics I Lab <small>Element 6: Natural Science</small>	1
Total Hours:			32	Total Hours:			32

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Sinclair College

to

Wright State University

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

**Biomedical Engineering
Bachelor of Science**

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							
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 <small>Element 3: Global Traditions</small>	3
MAT	2330	Differential Equations and Linear Algebra	5	MTH	2350	Differential Equations with Matrix Algebra + Elective <small>Other Course Requirement + General Elective Credit</small>	4+1
MEE	2101	Statics for Engineers <small>Engineering Transfer Elective</small>	3	ME	2XXX	Non-Equivalent Transfer Course (BME 1110 and 3211 will be awarded after completing both MEE 2101 and 2301) <small>General Elective Credit</small>	2
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							
AFR HIS SOC	1100, 2219, or 1145	African-American Studies Survey of the Middle East Introduction to Cultural Anthropology <small>Social & Behavioral Science Ohio Transfer 36 Elective</small>	3	AFS RST ATH	2000, 2910, or 2150	What is the African and African American Experience? Regional Studies: Middle East Comparative Nonwestern Cultures <small>Element 3: Global Traditions</small>	3
COM	2211	Elective Public Speaking	3	COM	1010	Essentials of Public Address <small>General Elective Credit</small>	3
MEE	2301	Strength of Materials for Engineering <small>Engineering Transfer Elective</small>	3	ME	1110 + 3211	Mechanics of Materials (BME 1110 and 3211 will be awarded after completing both MEE 2101 and 2301)	1+3
		Ohio Transfer 36 Arts & Humanities Course	3			Element 4: Arts/Humanities	3
		Ohio Transfer 36 Social & Behavioral Sciences Course	3			Element 5: Social Science	3
Total Hours:			31	Total Hours:			31

Total Credit Hours for Associate Degree: 63

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Sinclair College

to

Wright State University

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

**Biomedical Engineering
Bachelor of Science**

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	3511	Bioelectronics I	4
BME	3540	Introduction to Computation for Biomedical Engineering	3
EGR	3350	Technical Communications for Engineers and Computer Scientists <small>Element 1: Communication</small>	3
SPRING SEMESTER			
ANT	2120 or 3120	Human Anatomy and Physiology II (with Lab) Human Structure and Function II (with Lab)	4
BME	3212	Human Biomechanics II	3
BME	3512	Bioelectronics II	4
BME	3530	Biomedical Signals and Systems	3
Total Hours:			28

FOURTH YEAR

Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
BME	4440	Biomaterials	4
BME	4550	Bioinstrumentation	4
BME	4703	Medical Imaging	4
BME	4910	Biomedical Engineering Design I	3
		Technical Elective	3
SPRING SEMESTER			
BME	4421	Biotransport	3
BME	4920	Biomedical Engineering Design II	3
ISE	2211	Statistics for Engineers	3
		Technical Elective	3
		Technical Elective	3
Total Hours:			33

Total Credit Hours for Bachelor's Degree: 124

1. ADMISSIONS AND DEADLINES

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Sinclair College

to

Wright State University

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

**Biomedical Engineering
Bachelor of Science**

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 ENG 1101, EGR 1101 or MAT 2270, and CHE 1121/1251 or PHY 2201/2207 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
937-775-4830
transfer@wright.edu

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Sinclair College

to

Wright State University

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

**Biomedical Engineering
Bachelor of Science**

3. CONTACT INFORMATION

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

**Wright State University
Transfer Student Resource Center
138 Student Union
3640 Colonel Glenn Hwy.
937-775-4830**

This agreement will expire two years from date of signature.

Kathleen Colligan Cleary

Oliver H. Evans

Kathleen Cleary, Ph.D.
Interim Provost and Senior Vice President
Sinclair College
Date

Oliver Evans, Ph.D.
Interim Provost
Wright State University
9/1/2021
Date