

# PARTNERSHIP ARTICULATION AGREEMENT

Earn your associate degree from Columbus State Community College and then transfer seamlessly to Wright State University to earn your bachelor's degree.

**Columbus State Community College**

to

**Wright State University**

**Associate of Science**

**Biomedical Engineering  
Bachelor of Science**



SUBJECT CODE	COURSE NUMBER	COLUMBUS STATE CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
BIO	1121 + 1122	4+4	Anatomy and Physiology I Anatomy and Physiology II <small>Elective</small>	ANT 2100 + 2120 <small>Other Requirement</small>	4+4
CHEM	1171	5	General Chemistry I <small>Elective</small>	CHM 1210 + 1210L <small>Element E: Natural Science</small>	3+2
CHEM	1172	5	General Chemistry II <small>Elective</small>	CHM 1220 + 1220L <small>Other Requirement</small>	3+2
COLS	1100 or 1101	1	First Year Experience Seminar College Success Skills	UNK 1XXX <small>General Elective Credit (Excess)</small>	1
ENGL	1100	3	Composition I	ENG 1100 <small>Element A: Communication</small>	3
ENGL	2367, 2567, 2667, or 2767	3	Composition II Comp II Writing about Gender & Identity Comp II American Working-Class Identity Comp II Writing about Science/Technology	ENG 2100 <small>General Elective Credit (Excess)</small>	3
MATH	1151	5	Calculus I	MTH 2300 + Elective <small>Element B: Mathematics + General Elective Credit (Excess)</small>	4+1
MATH	1152 or 1172	5	Calculus II Engineering Mathematics A <small>Additional Math or Science Elective</small>	MTH 2310 + Elective <small>Other Requirement + General Elective Credit (Excess)</small>	4+1
PHYS	1250	5	Calculus- Based Physics I <small>Natural &amp; Physical Science Ohio Transfer 36 Elective</small>	PHY 2400 + 2400L <small>Element E: Natural Science</small>	4+1
PHYS	1251	5	Calculus-Based Physics II <small>Natural &amp; Physical Science Ohio Transfer 36 Elective</small>	PHY 2410 + 2410L <small>Element E: Natural Science</small>	4+1

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PSY	1100	3	Introduction to Psychology	PSY 1010 Element D: Social and Behavioral Science	3
STAT	2470	4	Intro Probability Statistics Eng & Sci Additional Math or Science	ISE 2211 + Elective Department Course + General Elective Credit (Excess)	3+1
		3	<b>One Ohio Transfer 36 Arts &amp; Humanities History Course</b>	Element C: Arts and Humanities – History	3
		3	<b>One Ohio Transfer 36 Arts &amp; Humanities Course That Is Not History</b>	Element C: Arts and Humanities	3
		3	<b>One Ohio Transfer 36 Social &amp; Behavioral Science Course That Is Not Psychology</b>	Element D: Social and Behavioral Science	3
<b>TOTAL</b>		<b>61</b>			<b>61</b>

- 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 earn a cumulative GPA of a 2.25 at Wright State.
- Students must earn a C or higher in CHEM 1171, ENGL 1100 or 1101, and PHYS 1250 at Columbus State.
- 124 hours minimum are required for a BS degree at Wright State.

FIRST YEAR							
Columbus State Community College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
COLS	1100 or 1101	First Year Experience Seminar College Success Skills	1	UNK	1XXX	Non-Equivalent Transfer Course General Elective Credit (Excess)	1
ENGL	1100	Composition I	3	ENG	1100	Academic Writing and Reading Element A: Communication	3
MATH	1151	Calculus I	5	MTH	2300	Calculus I + Elective Element B: Mathematics + General Elective Credit (Excess)	4+1

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FIRST YEAR							
Columbus State Community College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
PHYS	1250	Calculus-Based Physics I Natural & Physical Science Ohio Transfer 36 Elective	5	PHY	2400 + 2400L	General Physics I + Lab Element E: Natural Science	4+1
SPRING SEMESTER							
ENGL	2367, 2567, 2667, or 2767	Composition II Comp II Writing about Gender & Identity Comp II American Working-Class Identity Comp II Writing about Science/Technology	3	ENG	2100	Research Writing and Argumentation General Elective Credit (Excess)	3
MATH	1152 or 1172	Calculus II Engineering Mathematics A	5	MTH	2310	Calculus II + Elective Other Requirement + General Elective Credit	4+1
PHYS	1251	Calculus-Based Physics II Natural & Physical Science Ohio Transfer 36 Elective	5	PHY	2410 + 2410L	General Physics II + Lab Element E: Natural Science	4+1
		Ohio Transfer 36 Arts & Humanities History Course	3			Element C: Arts and Humanities - History	3
<b>Total Hours:</b>			<b>30</b>	<b>Total Hours:</b>			<b>30</b>

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SECOND YEAR							
Columbus State Community College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
BIO	1121	Anatomy and Physiology I Elective	4	ANT	2XXX	Non-Equivalent Transfer Course (ANT 2100 and 2120 Will Be Awarded after Completing Both BIO 1121 and 1122) General Elective Credit	4
CHEM	1171	General Chemistry I Elective	5	CHM	1210 + 1210L	General Chemistry I + Lab Element E: Natural Science	3+2
PSY	1100	Introduction to Psychology Social & Behavioral Science Ohio Transfer 36 Elective	3	PSY	1010	Introduction to Psychology Element D: Social and Behavioral Science	3
		Ohio Transfer 36 Arts & Humanities Course That Is Not History	3			Element C: Arts and Humanities	3
SPRING SEMESTER							
BIO	1122	Anatomy and Physiology II Elective	4	ANT	2100 + 2120	Human Anatomy and Physiology I Human Anatomy and Physiology II (ANT 2100 and 2120 Will Be Awarded after Completing Both BIO 1121 and 1122) Other Requirement	4+4
CHEM	1172	General Chemistry II Elective	5	CHM	1220 + 1220L	General Chemistry II + Lab Other Requirement	3+2
STAT	2470	Intro Probability Statistics Eng & Sci Additional Math or Science	4	ISE	2211	Statistics for Engineers + Elective Department Course + General Elective Credit	3+1
		Ohio Transfer 36 Social & Behavioral Science Course That Is Not Psychology	3			Element D: Social and Behavioral Science	3
<b>Total Hours:</b>			<b>31</b>	<b>Total Hours:</b>			<b>31</b>

**Total Credit Hours for Associate Degree: 61**

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THIRD YEAR			
Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
SUMMER SEMESTER			
CS	1160	Introduction to Computer Programming	4
FALL SEMESTER			
BME	4440	Biomaterials	4
EE	2010	Analog Circuit Theory	3
EE	2010L	Analog Circuit Theory Lab	1
EGR ENG	3350 or 2140	Technical Communications for Engineers and Computer Scientists Research, Technical Writing and Presentation for Scientists and Engineers <small>Element A: Communication</small>	3
ME	2120	Statics	3
SPRING SEMESTER			
CS ISE	3840 or 3540	Applied Machine Learning Introduction to Machine Learning in Engineering Applications	3
EE	3310	Electronic Devices and Circuits	3
EE	3310L	Electronic Devices and Circuits Lab	1
EE	3510	Continuous and Discrete Linear Systems	3
ME	3120	Mechanics of Materials	3
MTH	2350	Differential Equations with Matrix Algebra	4
<b>Total Hours:</b>			<b>35</b>

FOURTH YEAR			
Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER			
BME	4470	Design of Medical Devices	3
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	9
<b>Total Hours:</b>			<b>28</b>

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Associate of Science

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Total Credit Hours for Bachelor's Degree: 124

## 1. ADMISSIONS AND DEADLINES

### *Transfer to Wright State University*

Students must earn a minimum 2.0 GPA from Columbus State Community 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 Columbus State Community 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 CHEM 1171, ENGL 1100 or 1101, and PHYS 1250 at Columbus State.

## 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](mailto:transfer@wright.edu)

## 3. CONTACT INFORMATION

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**Associate of Science**

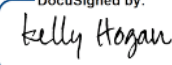
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**Biomedical Engineering  
Bachelor of Science**

***Columbus State Community College  
University Transfer Center  
126 Aquinas Hall  
550 East Spring St., Columbus, OH  
614-287-2184***

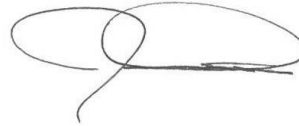
***Wright State University  
Transfer Center  
138 Student Union  
3640 Colonel Glenn Hwy., Dayton, OH  
937-775-5700***

This agreement will expire two years from date of signature.

DocuSigned by:  
  
E705C317BE724E0

10/7/2025

Kelly Hogan, Ed.D.  
Associate Vice President for Academic Affairs  
Columbus State Community College



10/8/2025

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