

# 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
CHEM	1171	5	General Chemistry I <small>Elective</small>	CHM 1210 + 1210L <small>Additional Core Course</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 or 1101	3	Composition I Composition IW: Composition Workshop	ENG 1100 <small>Element 1: 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</small>	3
ENGR	1181	3	Fundamentals of Engineering I <small>Elective</small>	ME 1030 + Elective (Substitutes for BME 1110 Requirement) <small>General Elective Credit + Department Courses</small>	2+1
ENGR	1182	3	Fundamentals of Engineering II <small>Elective</small>	ME 1XXX <small>General Elective Credit</small>	3
ENGR	2010	3	Engineering Statics <small>Elective</small>	ME 2120 <small>Other Requirement</small>	3
HIST	1111 or 1112	3	European History to 1648 European History Since 1648 <small>Arts &amp; Humanities Ohio Transfer 36 Arts &amp; Humanities (Historical Study)</small>	HST 1100 or HST 1200 <small>Element 3: Global Traditions</small>	3
MATH	1151	5	Calculus I	MTH 2300 + Elective <small>Element 2: Mathematics + General Elective Credit (Excess)</small>	4+1

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MATH	1152 or 1172	5	Calculus II Engineering Mathematics A	MTH 2310 + Elective <small>Other Requirement + General Elective Credit (Excess)</small>	4+1
PHYS	1250	5	Calculus- Based Physics I	PHY 2400 + 2400L <small>Element 6: Natural Science</small>	4+1
PHYS	1251	5	Calculus-Based Physics II	PHY 2410 + 2410L <small>Element 6: Natural Science</small>	4+1
PSY	1100	3	Introduction to Psychology	PSY 1010 <small>Element 5: Social Science</small>	3
STAT	2470	4	Intro Probability Statistics Eng & Sci <small>Additional Math or Science</small>	ISE 2211 + Elective (Excess)	3+1
		3	<b>One Ohio Transfer 36 Arts &amp; Humanities Course That Is Not History</b>	Element 4: Arts/Humanities	3
		3	<b>One Ohio Transfer 36 Social &amp; Behavioral Sciences Course That Is Not Psychology</b>	Element 5: Social Science	3
<b>TOTAL</b>		<b>62</b>			<b>62</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 <small>General Elective Credit (Excess)</small>	1
ENGL	1100 or 1101	Composition I Composition IW: Composition Workshop	3	ENG	1100	Academic Writing and Reading <small>Element 1: Communication</small>	3

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SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
ENGR	1181	Fundamentals of Engineering I <small>Elective</small>	3	ME	1030	Fundamentals of Engineering Design + Elective (Substitutes for BME 1110 Requirement) <small>General Elective Credit + Department Courses</small>	2+1
MATH	1151	Calculus I	5	MTH	2300	Calculus I + Elective <small>Element 2: Mathematics + General Elective Credit (Excess)</small>	4+1
PHYS	1250	Calculus-Based Physics I	5	PHY	2400 + 2400L	General Physics I + Lab <small>Element 6: Natural Science</small>	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 <small>General Elective Credit</small>	3
ENGR	1182	Fundamentals of Engineering II <small>Elective</small>	3	ME	1XXX	Non-Equivalent Transfer Course <small>General Elective Credit</small>	3
MATH	1152 or 1172	Calculus II Engineering Mathematics A	5	MTH	2310	Calculus II + Elective <small>Other Requirement + General Elective Credit (Excess)</small>	4+1
PHYS	1251	Calculus-Based Physics II	5	PHY	2410 + 2410L	General Physics II + Lab <small>Element 6: Natural Science</small>	4+1
<b>Total Hours:</b>			<b>33</b>	<b>Total Hours:</b>			<b>33</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							
CHEM	1171	General Chemistry I <small>Elective</small>	5	CHM	1210 + 1210L	General Chemistry I + Lab <small>Additional Core Course</small>	3+2
HIST	1111 or 1112	European History to 1648 European History Since 1648 <small>Arts &amp; Humanities Ohio Transfer 36 Elective (Historical Study)</small>	3	HST	1100 or 1200	Western Civilizations to 1500 The West and the World Since 1500 <small>Element 3: Global Traditions</small>	3
PSY	1100	Introduction to Psychology <small>Social &amp; 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 That Is Not History	3			Element 4: Arts/Humanities	3
SPRING SEMESTER							
CHEM	1172	General Chemistry II <small>Elective</small>	5	CHM	1220 + 1220L	General Chemistry II + Lab <small>Other Requirement</small>	3+2
ENGR	2010	Statics <small>Elective</small>	3	ME	2120	Statics <small>Other CECS Courses</small>	3
STAT	2470	Intro Probability Statistics Eng & Sci <small>Additional Math or Science</small>	4	ISE	2211	Statistics for Engineers + General Elective Credit (Excess)	3+1
		Ohio Transfer 36 Social & Behavioral Sciences Course That Is Not Psychology	3			Element 5: Social Science	3
<b>Total Hours:</b>			<b>29</b>	<b>Total Hours:</b>			<b>29</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
SUMMER SEMESTER			
CS	1160	Introduction to Computer Programming	4
FALL SEMESTER			
ANT	2100 or 3100	Human Anatomy and Physiology I (with Lab) Human Structure and Function I (with Lab)	4
EE	2010	Analog Circuit Theory	3
EE	2010L	Analog Circuit Theory Lab	1
EGR	3350	Technical Communications for Engineers and Computer Scientists <small>Element 1: Communication</small>	3
MTH	2350	Differential Equations with Matrix Algebra	4
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
ME	3120	Mechanics of Materials	3
Total Hours:			33

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	9
Total Hours:			29

**Total Credit Hours for Bachelor's Degree: 124**

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## 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  
Student Union 138  
3640 Colonel Glenn Hwy.  
Dayton, OH 45435  
937-775-5700  
[transfer@wright.edu](mailto:transfer@wright.edu)

## 3. CONTACT INFORMATION

**Columbus State Community College**  
**University Transfer Center**  
**126 Aquinas Hall**

**Wright State University**  
**Transfer Center**  
**138 Student Union**

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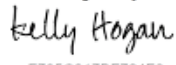
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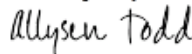
550 East Spring St., Columbus, OH  
614-287-2184

3640 Colonel Glenn Hwy., Dayton, OH  
937-775-5700

This agreement will expire two years from date of signature.

DocuSigned by:  
  
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11/3/2023  
Date  
Kelly Hogan, Ed.D.  
Associate Vice President for Academic Affairs  
Columbus State Community College

  
11/6/2023  
Date  
Amy Thompson, Ph.D.  
Provost and Senior Vice President for Academic Affairs  
Wright State University

DocuSigned by:  
  
B65A83670C434B0...  
11/3/2023  
Allysen Todd  
Dean of Arts and Sciences  
CSCC

DS  
MW