

The following table outlines how transfer credits will be applied to the Bachelor of Science in Chemistry degree at Wright State University for students who completed an Associate of Science degree via the Ohio Guaranteed Chemistry Transfer Pathway. The OGTP designation guarantees the transfer and applicability of credits, but does not guarantee admission to a program. Some bachelor-degree granting programs may be competitive, and students should check with individual institutions for their program admission requirements.

COURSE EQUIVALENCIES FROM THE ASSOCIATE DEGREE	Course Number	Credit Hours
<b>GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36</b>		
Any Ohio Transfer 36 approved First Writing (TME001) course	ENG 1100	3
Calculus I (TMM005)	MTH 2300	4
Any Ohio Transfer 36 approved Arts and Humanities course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Arts and Humanities course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Social and Behavioral Sciences course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Social and Behavioral Sciences course	Ohio Transfer 36 Elective*	3
General Chemistry I with lab (OSC008)	CHM 1210/L	5
General Chemistry II with lab (OSC009)	CHM 1220/L	5
Any Ohio Transfer 36 approved Second Writing (TME002) course	ENG 2100	3
Calculus II (TMM006)	MTH 2310	4
Up to 3-4 additional hours of Ohio Transfer 36 approved courses	Ohio Transfer 36 Elective*	3-4
<b>PRE-MAJOR/BEGINNING MAJOR</b>		
Calculus-based Physics I with lab (OSC016) <sup>1</sup>	PHY 1100/L or PHY 2400/L	5
Calculus-based Physics II with lab (OSC017) <sup>1</sup>	PHY 1120/L or PHY 2410/L	5
Full-Year Sequence of Organic Chemistry with lab (OSC010)	CHM 2110/L and CHM 2120/L	10
<b>OTHER RECOMMENDATIONS</b>		
General Electives as needed	Varies	0-6
<b>TOTAL HOURS FROM ASSOCIATE DEGREE:</b>		<b>60-65</b>
Advising Notes: (*) Indicates that coursework will be evaluated for applicable equivalency upon transfer at the university. If a Transfer Assurance Guide (TAG) course is taken, the approved course equivalency will be awarded. <sup>1</sup> WSU will accept algebra-based as well as calculus-based physics, except the BS Chemistry Education and the ACS-certified BS Chemistry degree require the calculus-based physics sequence. WSU's algebra-based physics sequence is PHY 1100/L and PHY 1120/L and the calculus-based physics sequence is PHY 2400/L and PHY 2410/L.		

### SPECIAL NOTES

Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program in order to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.

(Effective beginning Academic Year 2023-24 (Last revised February 16, 2024))

The following additional coursework will be required to complete the Bachelor of Science in Chemistry degree at Wright State University after a student has completed their Associate of Science Ohio Guaranteed Chemistry Transfer Pathway degree. Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE		Course Number	Credit Hours
Departmental Core Requirements:	Quantitative Analysis & Laboratory	CHM 3120/L	5
Departmental Requirements and Electives:	Physical Chemistry I: Thermodynamics and Kinetics & Laboratory	CHM 3510/L	5
Departmental Requirements and Electives:	Physical Chemistry II & Laboratory	CHM 3520/L	5
Available Concentrations in Chemistry: Chemistry, ACS Certified, Chemistry Education, and Dual Major			
Chemistry:	Chemical Literature and Composition	CHM 3190	2
	Inorganic Chemistry I	CHM 4200	3
	Instrumental Analysis & Laboratory	CHM 4350/L	6
	Additional Department Approved Electives	Varies	7
	General Electives (Recommended: CHM 4990 Special Problems in Chemistry)	Varies	22-27
ACS Certified:	Biochemistry and Molecular Biology I	BMB 4210	3
	Chemical Literature and Composition	CHM 3190	2
	Applied Chemical Spectroscopy	CHM 4170	2
	Inorganic Chemistry I	CHM 4200	3
	Inorganic Chemistry II & Laboratory	CHM 4210/L	4
	Instrumental Analysis & Laboratory	CHM 4350/L	6
Chemistry Education:	General Electives	Varies	20-25
	Additional Department Approved Electives	Varies	6
	Instrumental Analysis & Laboratory	CHM 4350/L	6
	Cells and Genes	BIO 1120	4
	Organisms and Ecosystems	BIO 1150	4
	Earth Systems	EES 2510	4
	Earth History	EES 2550	4
	Introduction to Education	ED 2600	3
	Early Field Experience I: Introduction to the Education Profession	ED 2650	1
	Introduction to Educational Psychology	ED 2700	3
	Early Field Experience II: Introduction to Educational Psychology	ED 2750	1
	Individuals with Exceptionalities	EDS 2900	3
General Electives	Varies	16-21	
Dual Major:	Second Component of Dual Major	Varies	36
	General Electives	Varies	19-24
<b>REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE TOTAL:<sup>1</sup></b>			<b>60</b>
Advising Notes: <sup>1</sup> Wright State University requires a total of 120 credit hours for degree completion. The total number of hours to complete a bachelor's degree represents a range of hours that may be needed depending on the individual course selections made during the associate degree program.			

<b>COMPLETE BACHELOR'S DEGREE</b>	<b>Total Credit Hours</b>
<b>BACHELOR'S DEGREE TOTAL:</b>	<b>120</b>

<b>SPECIAL NOTES</b>
For more information, please contact: Department of Chemistry 202 Oelman Hall chemistry@wright.edu (937) 775-2855 <a href="https://science-math.wright.edu/chemistry">https://science-math.wright.edu/chemistry</a>

**CHEMISTRY CONCENTRATION SAMPLE DEGREE MAP\***

THIRD YEAR			
SEMESTER 5		SEMESTER 6	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
CHM 3120/L Quantitative Analysis & Laboratory	5	CHM 3190 Chemical Literature and Composition	2
CHM 3510/L Physical Chemistry I: Thermodynamics and Kinetics & Laboratory	5	CHM 3520/L Physical Chemistry II & Laboratory	5
General Elective	5	CHM Electives 4000-Level	4
		General Elective	4
<b>Total Semester 5 Credit Hours</b>	<b>15</b>	<b>Total Semester 6 Credit Hours</b>	<b>15</b>

FOURTH YEAR			
SEMESTER 7		SEMESTER 8	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
CHM 4200 Inorganic Chemistry	3	CHM 4350/L Instrumental Analysis & Laboratory	6
CHM Electives 4000-Level	3	General Elective	3
General Elective	3	General Elective	1-3
General Elective	3	General Elective	3
General Elective	3		
<b>Total Semester 7 Credit Hours</b>	<b>15</b>	<b>Total Semester 8 Credit Hours</b>	<b>13-15</b>

\*Please check with an academic advisor for sample degree plans for other concentrations.