

**Appendix**

**CSU Bachelor of Science Degree in Occupational Safety and Health**  
 Applicable to students completing the following Bakersfield College (BC)  
 undergraduate degree program:

**Associate of Science in Occupational Safety and Risk Management, Agriculture**

<b>CSU Degree Requirements</b>	<b>CSU Required Credit Hour</b>	<b>BC Transfer Courses*</b>	<b>BC Transfer Credits*</b>	<b>Credits to take at CSU*</b>
<b>Major Requirements</b>	<b>39</b>	<b>BC courses must be completed as outlined below:</b>	<b>3</b>	<b>36</b>
ENV 4303 Environmental Technology	3			
FIR 4311 Fire Prevention and Code Enforcement	3			
OSH 2301 Introduction to Workplace Safety	3	OSRM B10 Occupational Safety <i>or</i> OSRM B12 Occupational Health	3	
OSH 3301 Fundamentals of Occupational Safety and Health	3			
OSH 3302 Legal Aspects of Safety and Health	3			
OSH 3304 Construction Safety	3			
OSH 3305 Industrial Ergonomics	3			
OSH 3308 Interactions of Hazardous Materials	3			
OSH 3310 Total Environmental Health and Safety Management	3			
OSH 4301 OSHA Standards	3			
OSH 4302 Toxicology	3			
OSH 4303 Industrial Hygiene	3			
OSH 4308 Advanced Concepts in Occupational Safety and Health	3			
<b>Program Electives (CSU Course Options)</b>	<b>18</b>	<b>18 hours from the following BC courses will satisfy this requirement:</b>	<b>18</b>	<b>0</b>
ENV 3301 Assessing Environmental Science	3			
FIR 2302 Principles of Fire and Emergency Services Safety and Survival	3			
OSH 2302 Introduction to Regulatory Compliance	3			

OSH 2303 Hazardous Materials Safety	3	OSRM B20 Environmental Health and Hazardous Materials	3	
OSH 2304 Introduction to Contractor Safety	3			
OSH 2305 Fleet and Driver Safety	3			
OSH 3309 Training and Development	3			
OSH 4304 Process Safety Management	3			
OSH 4305 Accident Investigation	3			
OSH 4306 Risk Management	3	OSRM B26 Risk Management	3	
		MCAG B4 Agriculture Safety	3	
		Additional 3 credit hours may transfer from BC course not transferred to CSU's OSH 2301:	3	
		<ul style="list-style-type: none"> <li>• OSRM B10 Occupational Safety</li> <li style="text-align: center;"><i><b>or</b></i></li> <li>• OSRM B12 Occupational Health</li> </ul>		
		OSRM B16 Managing Employee Safety and Health	3	
ENV 3302 Environmental Law	3	OSRM B18 Environmental, Health, and Safety Law and Administration	3	
		6 hours may transfer from the following BC courses:	3	
		<ul style="list-style-type: none"> <li>• WTRT B53 Water and Wastewater Analysis</li> </ul>		
		<ul style="list-style-type: none"> <li>• ELET B70 Mechanical Systems</li> </ul>	3	
		<ul style="list-style-type: none"> <li>• FORE B2 Natural Resources and the Environment</li> </ul>	3	
BIO 1302 Ecology and the Environment	3	<ul style="list-style-type: none"> <li>• BIOL B8 Introduction to Environmental Science</li> </ul>	3	
EMG 3301 Introduction to Emergency Management	3	<ul style="list-style-type: none"> <li>• OSRM B4 Introduction to Emergency Management</li> </ul>	3	
		<ul style="list-style-type: none"> <li>• Choices only applicable to Open Electives:                             <ul style="list-style-type: none"> <li>○ BSAD B49B Operation Management and Lean Principles</li> </ul> </li> </ul>	3	
		<ul style="list-style-type: none"> <li>○ BSAD B49A Warehouse Management</li> </ul>	3	

CSU Degree Requirements	CSU Required Credit Hours	BC Transfer Courses*	BC Transfer Credits*	Credits to take at CSU
<b>Open Electives</b>	<b>33</b>	<b>The following BC credit <i>and</i> 5 CSU courses will satisfy this requirement:</b>	<b>18</b>	<b>15</b>
		BIOL B18 Essentials of Human Anatomy and Physiology	4	
		CRPS B3 Integrated Pest Management	3	
		PHSC B12 Physical Science	1	
		CHEM B2A Introductory General Chemistry	1	
		1 of the following BC courses must be completed:		
		<ul style="list-style-type: none"> <li>SOIL B1 Introduction to Soil Science</li> </ul>	3	
		<ul style="list-style-type: none"> <li>CRPS B1 Principles of Crop Production</li> </ul>	3	
		<ul style="list-style-type: none"> <li>ANSC B1 Introduction to Animal Science</li> </ul>	3	
		BC credit listed in CSU OSH Program Electives but not applied.	6	
CSU General Education Requirements	CSU Required Credit Hours	BC General Education Courses	BC Transfer Credits*	Credits to take at CSU*
<b>General Education</b>	<b>30</b>	<p><b>To receive the full general education transfer credit, the 21 hours of BC <i>AS General Education Pattern</i> courses must be completed as outlined below.</b></p> <p><b>Certain CSU degree programs have required prerequisite courses that may affect the amount of credit transferred.</b></p>	<b>21</b>	<b>9</b>
<b>CSU General Education Degree Category Requirements**</b>				
<b>Humanities and Fine Arts - Group A</b>	<b>3</b>	BC General Education Area C: Arts, Literature, and Philosophy (3) <ul style="list-style-type: none"> <li><i>Excludes Foreign Language/ASL, Communications, Critical Thinking, Writing/Composition, and History courses.</i></li> </ul>		
<b>Humanities and Fine Arts - Group B</b>	<b>3</b>	BC General Education Area A: Oral Communication (3)		
<b>Social/Behavioral Sciences</b>	<b>3</b>	BC OSRM Agriculture required course (3): <ul style="list-style-type: none"> <li>AGRI B1 Agriculture, Environment and Society</li> </ul>		

<b>History</b>	<b>3</b>	BC General Education Area D/E: History course only <ul style="list-style-type: none"> <li>• Only BC HIST or corresponding ETHN course may transfer.</li> </ul>		
<b>Mathematics</b> <i>College Algebra, or higher, is required.</i>	<b>3</b>	BC General Education Area B: Mathematics course only <ul style="list-style-type: none"> <li>• Excludes MATH B4A/B6D/B6E/B26/B70/B72/B75</li> </ul>		
<b>Natural Sciences</b> <i>Non-Majors Biology, General Chemistry I, and Physics I, or their equivalents, are required.</i>	<b>9</b>	BC OSRM Agriculture required courses (6): <ul style="list-style-type: none"> <li>• CHEM B2A Introductory General Chemistry                     <ul style="list-style-type: none"> <li>◦ Excludes CHEM B10</li> </ul> </li> <li>• PHSC B12 Physical Science</li> </ul>		
<b>English Composition</b>	<b>6</b>	BC General Education Area A: Written Communication (3)		
<b>Total Credits Required Bachelor of Science in Occupational Safety and Health</b>	<b>120</b>		<b>60</b>	<b>60</b>

\* Transfer Credit/General Notes:

- Direct transfer credit for all degree categories must be a minimum of 3 semester hours, except in the Open Electives category. In cases where 4 or more credits are earned, the remaining credit will be reviewed for Open Electives category, if applicable.
- Duplicate transfer credit is not permissible.
- Credit awarded is subject to degree requirements at the time of enrollment and current transfer credit policy, which are subject to change.
- CSU is in the process of converting to new course numbers and anticipates completion by the end of 2023.
- The total transfer credit amount assumes maximum BC general education transfer towards CSU general education requirements. Actual number of transfer credit hours awarded (and therefore the number of hours to be completed at CSU) will be based on actual courses completed successfully at BC for which there exists a CSU equivalent and could be more or less than the number of transfer credits in the example above.

\*\* CSU General Education Notes:

- BC's General Education courses that do not satisfy CSU's General Education categories will be reviewed for Open Electives credit, if applicable.
- Math and English courses must earn a grade of C or higher.
- CSU's Humanities and Fine Arts-Group A requires 3 hours concentrated in Art, Literature, Religion, Music, Ethics, or Philosophy. Humanities and Fine Arts-Group B requires 3 hours in any of the aforementioned topics, Critical Thinking, Foreign Language, Speech, or select Communications courses.
- CSU Natural Sciences:
  - Non-Majors Biology remains to complete the Natural Sciences category if BC's CHEM B2A and PHSC B12 transferred. BC course must be equivalent to CSU's Non-Majors Biology for transfer.
  - CHEM B2A I meets CSU's Chemistry requirement but does not directly transfer to Chemistry I.
  - PHSC B12 Physical Science meets CSU's Physics requirement but does not directly transfer to Physics I.

**CSU Bachelor of Science Degree in Occupational Safety and Health**  
 Applicable to students completing the following Bakersfield College (BC)  
 undergraduate degree program:

**Associate of Science in Occupational Safety and Risk Management, Business**

CSU Degree Requirements	CSU Required Credit Hour	BC Transfer Courses*	BC Transfer Credits*	Credits to take at CSU*
<b>Major Requirements</b>	<b>39</b>	<b>BC courses must be completed as outlined below:</b>	<b>3</b>	<b>36</b>
ENV 4303 Environmental Technology	3			
FIR 4311 Fire Prevention and Code Enforcement	3			
OSH 2301 Introduction to Workplace Safety	3	OSRM B10 Occupational Safety <i>or</i> OSRM B12 Occupational Health	3	
OSH 3301 Fundamentals of Occupational Safety and Health	3			
OSH 3302 Legal Aspects of Safety and Health	3			
OSH 3304 Construction Safety	3			
OSH 3305 Industrial Ergonomics	3			
OSH 3308 Interactions of Hazardous Materials	3			
OSH 3310 Total Environmental Health and Safety Management	3			
OSH 4301 OSHA Standards	3			
OSH 4302 Toxicology	3			
OSH 4303 Industrial Hygiene	3			
OSH 4308 Advanced Concepts in Occupational Safety and Health	3			
<b>Program Electives (CSU Course Options)</b>	<b>18</b>	<b>18 hours from the following BC courses will satisfy this requirement:</b>	<b>18</b>	<b>0</b>
ENV 3301 Assessing Environmental Science	3			
FIR 2302 Principles of Fire and Emergency Services Safety and Survival	3			
OSH 2302 Introduction to Regulatory Compliance	3			
OSH 2303 Hazardous Materials Safety	3	OSRM B20 Environmental Health and Hazardous Materials	3	

OSH 2304 Introduction to Contractor Safety	3			
OSH 2305 Fleet and Driver Safety	3			
OSH 3309 Training and Development	3			
OSH 4304 Process Safety Management	3			
OSH 4305 Accident Investigation	3			
OSH 4306 Risk Management	3	OSRM B26 Risk Management	3	
		Additional 3 credit hours may transfer from BC course not transferred to CSU's OSH 2301:	3	
		<ul style="list-style-type: none"> <li>OSRM B10 Occupational Safety</li> </ul> <p style="text-align: center;"><b><i>or</i></b></p> <ul style="list-style-type: none"> <li>OSRM B12 Occupational Health</li> </ul>		
		OSRM B16 Managing Employee Safety and Health	3	
ENV 3302 Environmental Law	3	OSRM B18 Environmental, Health, and Safety Law and Administration	3	
EMG 3301 Introduction to Emergency Management	3	BC Elective course must be completed:	3	
		<ul style="list-style-type: none"> <li>OSRM B4 Introduction to Emergency Management</li> </ul>		
<b>CSU Degree Requirements</b>	<b>CSU Required Credit Hours</b>	<b>BC Transfer Courses*</b>	<b>BC Transfer Credits*</b>	<b>Credits to take at CSU</b>
<b>Open Electives</b>	<b>33</b>	<b>The following BC credit <u>and</u> 5 CSU courses will satisfy this requirement:</b>	<b>18</b>	<b>15</b>
		BIOL B18 Essentials of Human Anatomy and Physiology	4	
		PHSC B12 Physical Science	1	
BUS 2301 Introduction to Business	3	BSAD B20 Introduction to Business	3	
BUS 3301 Business Law	3	BSAD B18 Business Law	3	
		MATH B22 Elementary Probability and Statistics	1	
		6 hours from the following BC courses must be completed:		
		<ul style="list-style-type: none"> <li>BSAD B5 Human Relations and People Skills</li> </ul>	3	
		<ul style="list-style-type: none"> <li>BSAD B49A Warehouse Management</li> </ul>	3	
		<ul style="list-style-type: none"> <li>BSAD B49B Operations Management and Lean Principles</li> </ul>	3	
MGT 3305 Principles of Supply Chain Management	3	<ul style="list-style-type: none"> <li>BSAD B49C Supply Chain Management</li> </ul>	3	

		<ul style="list-style-type: none"> <li>BSAD B49D Purchasing and Contracting</li> </ul>	3	
		<ul style="list-style-type: none"> <li>BSAD B49E Transportation Management</li> </ul>	3	
		<ul style="list-style-type: none"> <li>BSAD B61 Human Resources Management</li> </ul>	3	
COM 2302 Organizational Communication	3	<ul style="list-style-type: none"> <li>BSAD B65 Principles of Organizational Communication</li> </ul>	3	
CHM 1303 Chemistry and Society	3	<ul style="list-style-type: none"> <li>CHEM B10 Chemistry and Society</li> </ul>	3	
CSU General Education Requirements	CSU Required Credit Hours	BC General Education Courses	BC Transfer Credits*	Credits to take at CSU*
<b>General Education</b>	<b>30</b>	<p><b>To receive the full general education transfer credit, the 21 hours of BC AS General Education Pattern courses must be completed as outlined below.</b></p> <p><b>Certain CSU degree programs have required prerequisite courses that may affect the amount of credit transferred.</b></p>	<b>21</b>	<b>9</b>
CSU General Education Degree Category Requirements**				
<b>Humanities and Fine Arts - Group A</b>	<b>3</b>	BC General Education Area C: Arts, Literature, and Philosophy (3) <ul style="list-style-type: none"> <li><i>Excludes Foreign Language/ASL, Communications, Critical Thinking, Writing/Composition, and History courses.</i></li> </ul>		
<b>Humanities and Fine Arts - Group B</b>	<b>3</b>	BC General Education Area A: Oral Communication (3)		
<b>Social/Behavioral Sciences</b>	<b>3</b>	BC General Education Area D/E: Behavioral/Social Sciences or American Institutions (3) <ul style="list-style-type: none"> <li><i>Introductory BC course in Economics, Political Science, Psychology (select), Sociology, Anthropology (select), and Geography (select) accepted.</i></li> </ul>		
<b>History</b>	<b>3</b>	BC General Education Area D/E: History course only (3) <ul style="list-style-type: none"> <li><i>Only BC HIST or corresponding ETHN course may transfer.</i></li> </ul>		
<b>Mathematics</b> <i>College Algebra, or higher, is required.</i>	<b>3</b>	BC OSRM Business required course (3): <ul style="list-style-type: none"> <li>MATH B22 Elementary Probability and Statistics (MAT 2301 Elementary Statistics)</li> <li><b>or</b></li> <li>MATHB23 Finite Mathematics (MAT 1304 Finite Math)</li> </ul>		
<b>Natural Sciences</b>	<b>9</b>	BC OSRM Business required course (3): <ul style="list-style-type: none"> <li>PHSC B12 Physical Science</li> </ul>		

<i>Non-Majors Biology, General Chemistry I, and Physics I, or their equivalents, are required.</i>				
<b>English Composition</b>	<b>6</b>	BC General Education Area A: Written Communication (3)		
<b>Total Credits Required Bachelor of Science in Occupational Safety and Health</b>	<b>120</b>		<b>60</b>	<b>60</b>

\* Transfer Credit/General Notes:

- Direct transfer credit for all degree categories must be a minimum of 3 semester hours, except in the Open Electives category. In cases where 4 or more credits are earned, the remaining credit will be reviewed for Open Electives category, if applicable.
- Duplicate transfer credit is not permissible.
- Credit awarded is subject to degree requirements at the time of enrollment and current transfer credit policy, which are subject to change.
- CSU is in the process of converting to new course numbers and anticipates completion by the end of 2023.
- The total transfer credit amount assumes maximum BC general education transfer towards CSU general education requirements. Actual number of transfer credit hours awarded (and therefore the number of hours to be completed at CSU) will be based on actual courses completed successfully at BC for which there exists a CSU equivalent and could be more or less than the number of transfer credits in the example above.

\*\* CSU General Education Notes:

- BC's General Education courses that do not satisfy CSU's General Education categories will be reviewed for Open Electives credit, if applicable.
- Math and English courses must earn a grade of C or higher.
- CSU's Humanities and Fine Arts-Group A requires 3 hours concentrated in Art, Literature, Religion, Music, Ethics, or Philosophy. Humanities and Fine Arts-Group B requires 3 hours in any of the aforementioned topics, Critical Thinking, Foreign Language, Speech, or select Communications courses.
- CSU Natural Sciences:
- Non-Majors Biology and General Chemistry I, or equivalents, must be completed for the CSU Natural Sciences category. CHEM B10 Chemistry and Society does not meet the Chemistry requirement for Natural Sciences.
- PHSC B12 Physical Science meets CSU's Physics requirement but does not directly transfer to Physics I.



**CSU Bachelor of Science Degree in Occupational Safety and Health**  
 Applicable to students completing the following Bakersfield College (BC)  
 undergraduate degree program:

**Associate of Science in Occupational Safety and Risk Management, Health Science**

CSU Degree Requirements	CSU Required Credit Hour	BC Transfer Courses*	BC Transfer Credits*	Credits to take at CSU*
<b>Major Requirements</b>	<b>39</b>	<b>BC courses must be completed as outlined below:</b>	<b>3</b>	<b>36</b>
ENV 4303 Environmental Technology	3			
FIR 4311 Fire Prevention and Code Enforcement	3			
OSH 2301 Introduction to Workplace Safety	3	OSRM B10 Occupational Safety <i>or</i> OSRM B12 Occupational Health	3	
OSH 3301 Fundamentals of Occupational Safety and Health	3			
OSH 3302 Legal Aspects of Safety and Health	3			
OSH 3304 Construction Safety	3			
OSH 3305 Industrial Ergonomics	3			
OSH 3308 Interactions of Hazardous Materials	3			
OSH 3310 Total Environmental Health and Safety Management	3			
OSH 4301 OSHA Standards	3			
OSH 4302 Toxicology	3			
OSH 4303 Industrial Hygiene	3			
OSH 4308 Advanced Concepts in Occupational Safety and Health	3			
<b>Program Electives (CSU Course Options)</b>	<b>18</b>	<b>18 hours from the following BC courses will satisfy this requirement:</b>	<b>18</b>	<b>0</b>
ENV 3301 Assessing Environmental Science	3			
FIR 2302 Principles of Fire and Emergency Services Safety and Survival	3			
OSH 2302 Introduction to Regulatory Compliance	3			
OSH 2303 Hazardous Materials Safety	3	OSRM B20 Environmental Health and Hazardous Materials	3	

OSH 2304 Introduction to Contractor Safety	3			
OSH 2305 Fleet and Driver Safety	3			
OSH 3309 Training and Development	3			
OSH 4304 Process Safety Management	3			
OSH 4305 Accident Investigation	3			
OSH 4306 Risk Management	3	OSRM B26 Risk Management	3	
		Additional 3 credit hours may transfer from BC course not transferred to CSU's OSH 2301:	3	
		<ul style="list-style-type: none"> <li>• OSRM B10 Occupational Safety</li> <li style="text-align: center;"><b><i>or</i></b></li> <li>• OSRM B12 Occupational Health</li> </ul>		
		OSRM B16 Managing Employee Safety and Health	3	
ENV 3302 Environmental Law	3	OSRM B18 Environmental, Health, and Safety Law and Administration	3	
EMG 3301 Introduction to Emergency Management	3	1 of the following BC courses must be completed:	3	
BIO 1302 Ecology and the Environment	3	<ul style="list-style-type: none"> <li>• OSRM B4 Introduction to Emergency Management</li> <li>• BIOL B8 Introduction to Environmental Science</li> </ul>	3	
		<ul style="list-style-type: none"> <li>• FORE B2 Natural Resources and the Environment</li> </ul>	3	
CSU Degree Requirements	CSU Required Credit Hours	BC Transfer Courses*	BC Transfer Credits*	Credits to take at CSU
<b>Open Electives</b>	<b>33</b>	<b>The following BC courses <i>and</i> 6 CSU courses will satisfy this requirement:</b>	<b>15</b>	<b>18</b>
		BIOL B18 Essentials of Human Anatomy and Physiology	4	
		PHSC B12 Physical Science	1	
		CHEM B2A Introductory General Chemistry	1	
		PBHS B20 Introduction to Public Health	3	
		6 hours from the following BC courses must be completed:		
		<ul style="list-style-type: none"> <li>• PBHS B22 Drugs, Health and Society                             <ul style="list-style-type: none"> <li>○ CSU Social/Behavioral Sciences or Open Electives</li> </ul> </li> </ul>	3	

		<ul style="list-style-type: none"> <li>• PBHS B23 Health and Social Justice                             <ul style="list-style-type: none"> <li>◦ CSU Social/Behavioral Sciences or Open Electives</li> </ul> </li> </ul>	3	
		<ul style="list-style-type: none"> <li>• NUTR B10 Introduction to Nutrition Science</li> </ul>	3	
		<ul style="list-style-type: none"> <li>• OSRM B4, BIOL B8, or FORE B2                             <ul style="list-style-type: none"> <li>◦ Applicable if not applied to CSU Program Electives.</li> </ul> </li> </ul>	3	
CSU General Education Requirements	CSU Required Credit Hours	BC General Education Courses	BC Transfer Credits*	Credits to take at CSU*
<b>General Education</b>	<b>30</b>	<p><b>To receive the full general education transfer credit, the 24 hours of BC AS General Education Pattern courses must be completed as outlined below.</b></p> <p><b>Certain CSU degree programs have required prerequisite courses that may affect the amount of credit transferred.</b></p>	<b>24</b>	<b>6</b>
CSU General Education Degree Category Requirements**				
<b>Humanities and Fine Arts - Group A</b>	<b>3</b>	BC General Education Area C: Arts, Literature, and Philosophy (3) <ul style="list-style-type: none"> <li>• <i>Excludes Foreign Language/ASL, Communications, Critical Thinking, Writing/Composition, and History courses.</i></li> </ul>		
<b>Humanities and Fine Arts - Group B</b>	<b>3</b>	BC General Education Area A: Oral Communication (3)		
<b>Social/Behavioral Sciences</b>	<b>3</b>	BC General Education Area D/E: Behavioral/Social Sciences or American Institutions (3) <ul style="list-style-type: none"> <li>• <i>Introductory BC course in Economics, Political Science, Psychology (select), Sociology, Anthropology (select), and Geography (select) accepted.</i></li> </ul>		
<b>History</b>	<b>3</b>	BC General Education Area D/E: History course only (3) <ul style="list-style-type: none"> <li>• <i>Only BC HIST or corresponding ETHN course may transfer.</i></li> </ul>		
<b>Mathematics</b> <i>College Algebra, or higher, is required.</i>	<b>3</b>	BC General Education Area B: Mathematics course only (3) <ul style="list-style-type: none"> <li>• <i>Excludes MATH B4A/B6D/B6E/B26/B70/B72/B75</i></li> </ul>		
<b>Natural Sciences</b> <i>Non-Majors Biology, General Chemistry I, and Physics I, or their equivalents, are required.</i>	<b>9</b>	BC OSRM Health Science required courses (6): <ul style="list-style-type: none"> <li>• CHEM B2A Introductory General Chemistry                             <ul style="list-style-type: none"> <li>◦ <i>Excludes CHEM B10</i></li> </ul> </li> <li>• PHSC B12 Physical Science</li> </ul>		

<b>English Composition</b>	<b>6</b>	BC General Education Area A: Written Communication (3)		
<b>Total Credits Required Bachelor of Science in Occupational Safety and Health</b>	<b>120</b>		<b>60</b>	<b>60</b>

\* Transfer Credit/General Notes:

- Direct transfer credit for all degree categories must be a minimum of 3 semester hours, except in the Open Electives category. In cases where 4 or more credits are earned, the remaining credit will be reviewed for Open Electives category, if applicable.
- Duplicate transfer credit is not permissible.
- Credit awarded is subject to degree requirements at the time of enrollment and current transfer credit policy, which are subject to change.
- CSU is in the process of converting to new course numbers and anticipates completion by the end of 2023.
- The total transfer credit amount assumes maximum BC general education transfer towards CSU general education requirements. Actual number of transfer credit hours awarded (and therefore the number of hours to be completed at CSU) will be based on actual courses completed successfully at BC for which there exists a CSU equivalent and could be more or less than the number of transfer credits in the example above.

\*\* CSU General Education Notes:

- BC's General Education courses that do not satisfy CSU's General Education categories will be reviewed for Open Electives credit, if applicable.
- Math and English courses must earn a grade of C or higher.
- CSU's Humanities and Fine Arts-Group A requires 3 hours concentrated in Art, Literature, Religion, Music, Ethics, or Philosophy. Humanities and Fine Arts-Group B requires 3 hours in any of the aforementioned topics, Critical Thinking, Foreign Language, Speech, or select Communications courses.
- CSU Natural Sciences:
  - Non-Majors Biology remains to complete the Natural Sciences category if BC's CHEM B2A and PHSC B12 transferred. BC course must be equivalent to CSU's Non-Majors Biology for transfer.
  - CHEM B2A I meets CSU's Chemistry requirement but does not directly transfer to Chemistry I.
  - PHSC B12 Physical Science meets CSU's Physics requirement but does not directly transfer to Physics I.

**CSU Bachelor of Science Degree in Occupational Safety and Health**  
 Applicable to students completing the following Bakersfield College (BC)  
 undergraduate degree program:

**Associate of Science in Occupational Safety and Risk Management, Industrial Technology**

CSU Degree Requirements	CSU Required Credit Hour	BC Transfer Courses*	BC Transfer Credits*	Credits to take at CSU*
<b>Major Requirements</b>	<b>39</b>	<b>BC courses must be completed as outlined below:</b>	<b>3</b>	<b>36</b>
ENV 4303 Environmental Technology	3			
FIR 4311 Fire Prevention and Code Enforcement	3			
OSH 2301 Introduction to Workplace Safety	3	OSRM B10 Occupational Safety <i>or</i> OSRM B12 Occupational Health	3	
OSH 3301 Fundamentals of Occupational Safety and Health	3			
OSH 3302 Legal Aspects of Safety and Health	3			
OSH 3304 Construction Safety	3			
OSH 3305 Industrial Ergonomics	3			
OSH 3308 Interactions of Hazardous Materials	3			
OSH 3310 Total Environmental Health and Safety Management	3			
OSH 4301 OSHA Standards	3			
OSH 4302 Toxicology	3			
OSH 4303 Industrial Hygiene	3			
OSH 4308 Advanced Concepts in Occupational Safety and Health	3			
<b>Program Electives (CSU Course Options)</b>	<b>18</b>	<b>18 hours from the following BC courses will satisfy this requirement:</b>	<b>18</b>	<b>0</b>
ENV 3301 Assessing Environmental Science	3			
FIR 2302 Principles of Fire and Emergency Services Safety and Survival	3			
OSH 2302 Introduction to Regulatory Compliance	3			
OSH 2303 Hazardous Materials Safety	3	OSRM B20 Environmental Health and Hazardous Materials	3	

OSH 2304 Introduction to Contractor Safety	3			
OSH 2305 Fleet and Driver Safety	3			
OSH 3309 Training and Development	3			
OSH 4304 Process Safety Management	3			
OSH 4305 Accident Investigation	3			
OSH 4306 Risk Management	3	OSRM B26 Risk Management	3	
		Additional 3 credit hours may transfer from BC course not transferred to CSU's OSH 2301:	3	
		<ul style="list-style-type: none"> <li>• OSRM B10 Occupational Safety</li> <li style="text-align: center;"><b><i>or</i></b></li> <li>• OSRM B12 Occupational Health</li> </ul>		
		OSRM B16 Managing Employee Safety and Health	3	
ENV 3302 Environmental Law	3	OSRM B18 Environmental, Health, and Safety Law and Administration	3	
EMG 3301 Introduction to Emergency Management	3	BC requires 12 hours from the following courses:	3	
		<ul style="list-style-type: none"> <li>• OSRM B4 Introduction to Emergency Management</li> </ul>		
		<ul style="list-style-type: none"> <li>• WTRT B53 Water and Wastewater Analysis</li> </ul>	3	
		<ul style="list-style-type: none"> <li>• ELET B70 Mechanical Systems</li> </ul>	3	
		<ul style="list-style-type: none"> <li>• FORE B2 Natural Resources and the Environment</li> </ul>	3	
		<ul style="list-style-type: none"> <li>• MCAG B4 Agriculture Safety</li> </ul>	3	
FIR 3305 Fire Protection Structure and Systems	3	<ul style="list-style-type: none"> <li>• FIRE B6 Fire Protection Equipment and Systems</li> </ul>	3	
BIO 1302 Ecology and the Environment	3	<ul style="list-style-type: none"> <li>• BIOL B8 Introduction to Environmental Science</li> </ul>	3	
		<ul style="list-style-type: none"> <li>• Choices only applicable to Open Electives:                             <ul style="list-style-type: none"> <li>○ CRPSB3 Integrated Pest Management</li> </ul> </li> </ul>	3	
		<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>○ BSAD B49A Warehouse Management</li> </ul> </li> </ul>	3	
		<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>○ BSADB 49B Operations Management and Lean Principles</li> </ul> </li> </ul>	3	

CSU Degree Requirements	CSU Required Credit Hours	BC Transfer Courses*	BC Transfer Credits*	Credits to take at CSU
<b>Open Electives</b>	<b>33</b>	<b>The following BC courses <i>and</i> 6 CSU courses will satisfy this requirement:</b>	<b>15</b>	<b>18</b>
		BIOL B18 Essentials of Human Anatomy and Physiology	4	
		PHSC B12 Physical Science	1	
		CHEM B2A Introductory General Chemistry	1	
		BC credit listed in CSU OSH Program Electives but not applied.	9	
CSU General Education Requirements	CSU Required Credit Hours	BC General Education Courses	BC Transfer Credits*	Credits to take at CSU*
<b>General Education</b>	<b>30</b>	<b>To receive the full general education transfer credit, the 24 hours of BC <i>AS General Education Pattern</i> courses must be completed as outlined below.  Certain CSU degree programs have required prerequisite courses that may affect the amount of credit transferred.</b>	<b>24</b>	<b>6</b>
<b>CSU General Education Degree Category Requirements**</b>				
<b>Humanities and Fine Arts - Group A</b>	<b>3</b>	BC General Education Area C: Arts, Literature, and Philosophy (3) <ul style="list-style-type: none"> <li>Excludes Foreign Language/ASL, Communications, Critical Thinking, Writing/Composition, and History courses.</li> </ul>		
<b>Humanities and Fine Arts - Group B</b>	<b>3</b>	BC General Education Area A: Oral Communication (3)		
<b>Social/Behavioral Sciences</b>	<b>3</b>	BC General Education Area D/E: Behavioral/Social Sciences or American Institutions (3) <ul style="list-style-type: none"> <li>Introductory BC course in Economics, Political Science, Psychology (select), Sociology, Anthropology (select), and Geography (select) accepted.</li> </ul>		
<b>History</b>	<b>3</b>	BC General Education Area D/E: History course only (3) <ul style="list-style-type: none"> <li>Only BC HIST or corresponding ETHN course may transfer.</li> </ul>		
<b>Mathematics</b> <i>College Algebra, or higher, is required.</i>	<b>3</b>	BC General Education Area B: Mathematics course only (3) <ul style="list-style-type: none"> <li>Excludes MATH B4A/B6D/B6E/B26/B70/B72/B75</li> </ul>		

<b>Natural Sciences</b> <i>Non-Majors Biology, General Chemistry I, and Physics I, or their equivalents, are required.</i>	<b>9</b>	BC OSRM Industrial Technology required courses (6): <ul style="list-style-type: none"> <li>• CHEM B2A Introductory General Chemistry           <ul style="list-style-type: none"> <li>◦ Excludes CHEM B10</li> </ul> </li> <li>• PHSC B12 Physical Science</li> </ul>		
<b>English Composition</b>	<b>6</b>	BC General Education Area A: Written Communication (3)		
<b>Total Credits Required Bachelor of Science in Occupational Safety and Health</b>	<b>120</b>		<b>60</b>	<b>60</b>

\* Transfer Credit/General Notes:

- Direct transfer credit for all degree categories must be a minimum of 3 semester hours, except in the Open Electives category. In cases where 4 or more credits are earned, the remaining credit will be reviewed for Open Electives category, if applicable.
- Duplicate transfer credit is not permissible.
- Credit awarded is subject to degree requirements at the time of enrollment and current transfer credit policy, which are subject to change.
- CSU is in the process of converting to new course numbers and anticipates completion by the end of 2023.
- The total transfer credit amount assumes maximum BC general education transfer towards CSU general education requirements. Actual number of transfer credit hours awarded (and therefore the number of hours to be completed at CSU) will be based on actual courses completed successfully at BC for which there exists a CSU equivalent and could be more or less than the number of transfer credits in the example above.

\*\* CSU General Education Notes:

- BC's General Education courses that do not satisfy CSU's General Education categories will be reviewed for Open Electives credit, if applicable.
- Math and English courses must earn a grade of C or higher.
- CSU's Humanities and Fine Arts-Group A requires 3 hours concentrated in Art, Literature, Religion, Music, Ethics, or Philosophy. Humanities and Fine Arts-Group B requires 3 hours in any of the aforementioned topics, Critical Thinking, Foreign Language, Speech, or select Communications courses.
- CSU Natural Sciences:
  - Non-Majors Biology remains to complete the Natural Sciences category if BC's CHEM B2A and PHSC B12 transferred. BC course must be equivalent to CSU's Non-Majors Biology for transfer.
  - CHEM B2A I meets CSU's Chemistry requirement but does not directly transfer to Chemistry I.
  - PHSC B12 Physical Science meets CSU's Physics requirement but does not directly transfer to Physics I.