

**Appendix**

<b>CSU Bachelor of Science Degree in Fire Administration</b> Applicable to students completing the following Coconino Community College (CCC) degree program: <b>Fire Science, AAS</b>				
CSU Degree Requirements	Required Semester Credits	CCC Transfer Courses*	CCC Transfer Credits*	Credits to take at CSU
<i>Major Requirements + Program Electives</i>	<b>48</b>		<b>30</b>	<b>18</b>
<b>Major Requirements</b>	<b>36</b>	<b>To receive the transfer credit shown in the Major Requirements category, CCC courses must be completed as outlined below.</b>	<b>18</b>	<b>18</b>
FIR 2301 Principles of Fire and Emergency Services	3	FSC 104 Principles of Emergency Services	3	
FIR 2302 Principles of Fire and Emergency Services Safety and Survival	3	FSC 145 Principles of Fire and Emergency Services Safety and Survival	3	
FIR 2303 Fire Behavior and Combustion	3	FSC 110 Fire Behavior and Combustion	3	
FIR 2304 Building Construction for Fire Protection	3	FSC 241 Building Construction for Fire Protection	3	
FIR 2305 Introduction to Fire Prevention	3	FSC 135 Fire Prevention	3	
FIR 3305 Fire Protection Structure and Systems	3	FSC 235 Fire Protection Systems	3	
FIR 3306 Fire Prevention Organization and Management	3			
FIR 3307 Community Risk Reduction for the Fire and Emergency Services	3			
FIR 4301 Political and Legal Foundations of Fire Protection	3			
FIR 4302 Fire Service Personnel Management	3			
FIR 4303 Fire and Emergency Services Administration	3			
FIR 4308 Applications in Fire Research	3			
<b>Program Electives</b>	<b>12</b>	<b>The following CCC courses may be reviewed to meet the 12-hour Program Electives requirement:</b>	<b>12</b>	<b>0</b>
FIR 3304 Fire Protection Hydraulics and Water Supply	3			
FIR 3311 Legal Aspects of Emergency Services	3			

FIR 3312 Fire Ground Tactics I	3			
FIR 4304 Fire Dynamics	3			
FIR 4306 Human Behavior in Fire	3			
FIR 4307 Analytical Approaches to Public Fire Protection	3			
FIR 4311 Fire Prevention and Code Enforcement	3			
FIR 4312 Management of Fire Incident Command Systems	3			
FIR 4313 Terrorism Incident Management and Emergency Procedures	3			
		FSC 180 Firefighter I and II	8	
		FSC 138 Hazardous Materials First Responder	4	
		FSC 233 Introduction to Wildland Fire Behavior/Firefighter and Human Factors in the Wildland	4	
<b>CSU Degree Requirements</b>	<b>Required Semester Credits</b>	<b>CCC Transfer Courses*</b>	<b>CCC Transfer Credits*</b>	<b>Credits to take at CSU</b>
<i>Open Electives + General Education</i>	<b>72</b>		<b>30</b>	<b>42</b>
<b>Open Electives</b>	<b>42</b>	<b>The CCC courses listed below, CCC Program Elective courses not applied to CSU’s Program Electives, and CCC General Education Courses not applied to CSU’s general education requirements may be reviewed for CSU’s Open Electives requirement:</b>		
		EMS 131 Emergency Medical Technician	8	
<b>General Education</b>	<b>30</b>	<b>See CSU General Education Requirements chart for CCC options towards CSU’s General Education requirements.</b>		
<b>Total Credits Required Bachelor of Science in Fire Administration</b>	<b>120</b>		<b>60</b>	<b>60</b>

**CSU General Education Requirements –  
Coconino Community College (CCC) General Education Options in the  
Fire Science, AAS**

<b>CSU General Education Requirements and Course Options</b>	<b>Required Semester Credits</b>	<b>CCC General Education Courses</b>	<b>CCC Credits</b>
<b>CSU Humanities and Fine Arts - Group A Course Options:</b>	<b>3</b>	<i>CCC requires 3 hours in Arts and Humanities. A select CCC course with the prefix ART, CPS, DAN, ENG, HUM, MUS, PHI, REL, and THR may be considered for transfer credit to CSU's Humanities and Fine Arts - Group A category.</i>	
ART 1301 Art Appreciation I	3		
ART 1302 Art Appreciation II	3		
HUM 2301 Historic Tour of Italy	3		
LIT 2301 War in Literature	3		
PHI 2301 Philosophies of World Religions	3		
PHI 2302 Contemporary Ethics	3		
<b>CSU Humanities and Fine Arts - Group B Course Options:</b>	<b>3</b>	<i>CCC requires 3 hours in Arts and Humanities. A select CCC course with the prefix ART, ASL, COM, CPS, DAN, ENG, FRE, GER, HUM, ITA, JPN, MUS, NAV, PHI, REL, SPA, SPC and THR may be considered for transfer credit to CSU's Humanities and Fine Arts - Group B category.</i>	
ART 1301 Art Appreciation I	3		
ART 1302 Art Appreciation II	3		
COM 1301 Introduction to Communications	3		
COM 1302 Fundamentals of Speech Communication	3		
COM 2301 Professional Communication	3		
ENG 3301 Technical Writing	3		
HUM 2301 Historic Tour of Italy	3		
LIT 2301 War in Literature	3		
PHI 1301 Critical Thinking	3		
PHI 2301 Philosophies of World Religions	3		
PHI 2302 Contemporary Ethics	3		

<b>CSU Social/Behavioral Sciences - Group Course Options:</b>	<b>6</b>	<b><i>CCC requires 3 hours in Social and Behavioral Sciences. A select CCC course with the prefix CPS, ANT, ECN, GEO, POS, PSY, and SOC may be considered for transfer credit to CSU's Social and Behavioral Sciences category.</i></b>	
ECO 2301 Principles of Microeconomics	3		
ECO 2302 Principles of Macroeconomics	3		
POL 1301 Introduction to Political Science	3		
POL 2301 United States Government	3		
POL 2302 American State and Local Politics	3		
POL 2303 Politics and Terrorism	3		
PSY 1301 General Psychology	3		
PSY 2301 Abnormal Psychology	3		
SOC 1301 Introduction to Sociology	3		
SOC 2302 Cultural Geography	3		
<b>CSU Natural Sciences - Group Course Options:</b>	<b>6</b>	<b><i>CCC requires 4 hours in Physical and Biological Sciences. A select CCC course with the prefix BIO, ANT, CHM, GEO, GLG, and PHY may be considered for transfer credit to CSU's Natural Sciences category.</i></b>	
BIO 1301 Non-Majors Biology	3		
BIO 1302 Ecology and the Environment	3		
BIO 1303 General Biology I	3		
BIO 1304 General Biology II	3		
CHM 1301 General Chemistry I	3		
CHM 1302 General Chemistry II	3		
PHY 1301 Physics I	3		
PHY 1302 Physics II	3		
<b>CSU Mathematics - Group Course Options:</b>	<b>3</b>	<b><i>(Grade of C or better required)</i></b> <b><i>CCC requires MAT 140 or higher.</i></b>	
MAT 1301 Liberal Arts Math	3	MAT 140 College Math with Algebra Review	3
		MAT 142 College Mathematics	
MAT 1302 College Algebra	3	MAT 151 College Algebra	
MAT 1304 Finite Math	3	MAT 172 Finite Mathematics	
MAT 2301 Elementary Statistics	3	MAT 160 Introduction to Statistics	
MAT 2302 Pre-Calculus	3	MAT 187 Pre-Calculus	
		MAT 187H Pre-Calculus Honors	
MAT 2303 Calculus	3	MAT 220 Calculus and Analytic Geometry I	

		MAT 230 Calculus and Analytic Geometry II	
		MAT 241 Calculus and Analytic Geometry III	
		MAT 261 Differential Equations	
MAT 1303 Algebra and Trigonometry	3		
<b>CSU History - Group Course Options:</b>	<b>3</b>	<b><i>CCC requires 3 hours in Social and Behavioral Sciences. A select CCC courses with the prefix HIS may be considered for CSU's History category.</i></b>	
HIS 1301 American History I	3		
HIS 1302 American History II	3		
HIS 1303 United States Military History I	3		
HIS 1304 United States Military History II	3		
HIS 1305 Western Civilization I	3		
HIS 1306 Western Civilization II	3		
HIS 2301 Medieval History	3		
<b>CSU English Composition - Group Course Options:</b>	<b>6</b>	<b><i>(Grade of C or better required)</i></b> <b><i>CCC requires ENG 101 <u>or</u> ENG 101A <u>and</u> ENG 102.</i></b>	
ENG 1301 English Composition I	3	ENG 101 College Composition I <b><u>OR</u></b> ENG 101A College Composition I with Review	3
ENG 1302 English Composition II	3	ENG 102 College Composition II	3

\* Transfer Credit/General Notes:

- CCC general education courses can potentially transfer toward CSU general education requirements, as outlined in this agreement, or Open Electives. CCC courses that do not fit CSU's general education categories will be reviewed for possible Open Electives credit.
- All CSU and CCC courses listed in the Humanities and Fine Arts – Group A category may be reviewed for application to the Humanities and Fine Arts – Group B category if needed. Duplicate transfer credit is not accepted.
- Direct transfer credit for a Major Requirement or General Education course requires the transfer course to be a minimum of 3 semester hours. Any credit remaining after transferring 3 semester hours to a CSU Major Requirements or general education course will be considered for transfer to Open Electives.
- Credit is only transferred in multiples of 3 semester hours to all CSU degree categories except Open Electives. Any CCC course worth 4 or more semester hours but only given 3 semester hours for chart purposes would be reviewed for the full credit designated by CCC, subject to program director approval.
- 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 CCC general education transfer towards CSU general education requirements. The 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 CCC for which there exists a CSU equivalent and could be more or less than the number of transfer credits in the example above. Please note, CSU accepts a maximum of 90 semester hours of transfer credit in the bachelor's degree program.

**CSU Bachelor of Science Degree in Fire Administration**

Applicable to students completing the following Coconino Community College (CCC) certificate program:

**Company Officer Certificate  
 (with completion of the CCC AAS Fire Science degree)**

CSU Degree Requirements	Required Semester Credits	CCC Transfer Courses*	CCC Transfer Credits*	Credits to take at CSU
<b>Major Requirements + Program Electives</b>	<b>48</b>		<b>33</b>	<b>15</b>
<b>Major Requirements</b>	<b>36</b>	<b>To receive the transfer credit shown in the Major Requirements category, CCC courses must be completed as outlined below.</b>	<b>21</b>	<b>15</b>
FIR 2301 Principles of Fire and Emergency Services	3	FSC 104 Principles of Emergency Services	3	
FIR 2302 Principles of Fire and Emergency Services Safety and Survival	3	FSC 145 Principles of Fire and Emergency Services Safety and Survival	3	
FIR 2303 Fire Behavior and Combustion	3	FSC 110 Fire Behavior and Combustion	3	
FIR 2304 Building Construction for Fire Protection	3	FSC 241 Building Construction for Fire Protection	3	
FIR 2305 Introduction to Fire Prevention	3	FSC 135 Fire Prevention	3	
FIR 3305 Fire Protection Structure and Systems	3	FSC 235 Fire Protection Systems	3	
FIR 3306 Fire Prevention Organization and Management	3			
FIR 3307 Community Risk Reduction for the Fire and Emergency Services	3			
FIR 4301 Political and Legal Foundations of Fire Protection	3			
FIR 4302 Fire Service Personnel Management	3	FSC 239 Principles of Fire and Emergency Service Administration**	3	
FIR 4303 Fire and Emergency Services Administration	3			
FIR 4308 Applications in Fire Research	3			
<b>Program Electives</b>	<b>12</b>	<b>The following CCC courses would be reviewed to meet the 12-hour Program Electives requirement:</b>	<b>12</b>	<b>0</b>
FIR 3304 Fire Protection Hydraulics and Water Supply	3			

FIR 3311 Legal Aspects of Emergency Services	3	FSC 240 Legal Aspects of Emergency Services**	3	
FIR 3312 Fire Ground Tactics I	3	FSC 238 Strategy and Tactics**	3	
FIR 4304 Fire Dynamics	3			
FIR 4306 Human Behavior in Fire	3			
FIR 4307 Analytical Approaches to Public Fire Protection	3			
FIR 4311 Fire Prevention and Code Enforcement	3			
FIR 4312 Management of Fire Incident Command Systems	3			
FIR 4313 Terrorism Incident Management and Emergency Procedures	3			
		FSC 180 Firefighter I and II	8	
		FSC 138 Hazardous Materials First Responder	4	
		FSC 233 Introduction to Wildland Fire Behavior/Firefighter and Human Factors in the Wildland	4	
<b>CSU Degree Requirements</b>	<b>Required Semester Credits</b>	<b>CCC Transfer Courses*</b>	<b>CCC Transfer Credits*</b>	<b>Credits to take at CSU</b>
<i>Open Electives + General Education</i>	<b>72</b>		<b>36</b>	<b>36</b>
<b>Open Electives</b>	<b>42</b>	<b>The CCC courses listed below, CCC Program Elective courses not applied to CSU’s Program Electives, and CCC General Education Courses not applied to CSU’s general education requirements may be reviewed for CSU’s Open Elective requirement:</b>		
		EMS 131 Emergency Medical Technician	8	
<b>General Education</b>	<b>30</b>	<b>See CSU General Education Requirements chart for CCC options towards CSU’s General Education requirements.</b>		
<b>Total Credits Required Bachelor of Science in Fire Administration</b>	<b>120</b>		<b>69</b>	<b>51</b>

**CSU General Education Requirements –  
Coconino Community College (CCC) General Education Options in the  
Company Officer Certificate  
(with completion of the CCC AAS Fire Science degree)**

CSU General Education Requirements and Course Options	Required Semester Credits	CCC General Education Courses	CCC Credits
<b>CSU Humanities and Fine Arts - Group A Course Options:</b>	<b>3</b>	<i>CCC requires 3 hours in Arts and Humanities. A select CCC course with the prefix ART, CPS, DAN, ENG, HUM, MUS, PHI, REL, and THR may be considered for transfer credit to CSU's Humanities and Fine Arts - Group A category.</i>	
ART 1301 Art Appreciation I	3		
ART 1302 Art Appreciation II	3		
HUM 2301 Historic Tour of Italy	3		
LIT 2301 War in Literature	3		
PHI 2301 Philosophies of World Religions	3		
PHI 2302 Contemporary Ethics	3		
<b>CSU Humanities and Fine Arts - Group B Course Options:</b>	<b>3</b>	<i>CCC requires 3 hours in Arts and Humanities. A select CCC course with the prefix ART, ASL, COM, CPS, DAN, ENG, FRE, GER, HUM, ITA, JPN, MUS, NAV, PHI, REL, SPA, SPC and THR may be considered for transfer credit to CSU's Humanities and Fine Arts - Group B category.</i>	
ART 1301 Art Appreciation I	3		
ART 1302 Art Appreciation II	3		
COM 1301 Introduction to Communications	3		
COM 1302 Fundamentals of Speech Communication	3		
COM 2301 Professional Communication	3		
ENG 3301 Technical Writing	3		
HUM 2301 Historic Tour of Italy	3		
LIT 2301 War in Literature	3		
PHI 1301 Critical Thinking	3		
PHI 2301 Philosophies of World Religions	3		
PHI 2302 Contemporary Ethics	3		
<b>CSU Social/Behavioral Sciences - Group Course Options:</b>	<b>6</b>	<i>CCC requires 3 hours in Social and Behavioral Sciences. A select CCC course with the prefix CPS, ANT, ECN, GEO, POS, PSY, and SOC may be considered for transfer credit to CSU's Social and Behavioral Sciences category.</i>	
ECO 2301 Principles of Microeconomics	3		



ECO 2302 Principles of Macroeconomics	3		
POL 1301 Introduction to Political Science	3		
POL 2301 United States Government	3		
POL 2302 American State and Local Politics	3		
POL 2303 Politics and Terrorism	3		
PSY 1301 General Psychology	3		
PSY 2301 Abnormal Psychology	3		
SOC 1301 Introduction to Sociology	3		
SOC 2302 Cultural Geography	3		
<b>CSU Natural Sciences - Group Course Options:</b>	<b>6</b>	<i>CCC requires 4 hours in Physical and Biological Sciences. A select CCC course with the prefix BIO, ANT, CHM, GEO, GLG, and PHY may be considered for transfer credit to CSU's Natural Sciences category.</i>	
BIO 1301 Non-Majors Biology	3		
BIO 1302 Ecology and the Environment	3		
BIO 1303 General Biology I	3		
BIO 1304 General Biology II	3		
CHM 1301 General Chemistry I	3		
CHM 1302 General Chemistry II	3		
PHY 1301 Physics I	3		
PHY 1302 Physics II	3		
<b>CSU Mathematics - Group Course Options:</b>	<b>3</b>	<i>Grade of C or better required) CCC requires MAT 140 or higher.</i>	
MAT 1301 Liberal Arts Math	3	MAT 140 College Math with Algebra Review	3
		MAT 142 College Mathematics	
MAT 1302 College Algebra	3	MAT 151 College Algebra	
MAT 1304 Finite Math	3	MAT 172 Finite Mathematics	
MAT 2301 Elementary Statistics	3	MAT 160 Introduction to Statistics	
MAT 2302 Pre-Calculus	3	MAT 187 Pre-Calculus	
		MAT 187H Pre-Calculus Honors	
MAT 2303 Calculus	3	MAT 220 Calculus and Analytic Geometry I	
		MAT 230 Calculus and Analytic Geometry II	
		MAT 241 Calculus and Analytic Geometry III	
		MAT 261 Differential Equations	
MAT 1303 Algebra and Trigonometry	3		

<b>CSU History - Group Course Options:</b>	<b>3</b>	<i>CCC requires 3 hours in Social and Behavioral Sciences. A select CCC courses with the prefix HIS may be considered for CSU's History category.</i>	
HIS 1301 American History I	3		
HIS 1302 American History II	3		
HIS 1303 United States Military History I	3		
HIS 1304 United States Military History II	3		
HIS 1305 Western Civilization I	3		
HIS 1306 Western Civilization II	3		
HIS 2301 Medieval History	3		
<b>CSU English Composition - Group Course Options:</b>	<b>6</b>	<i>(Grade of C or better required) CCC requires ENG 101 <u>or</u> ENG 101A <u>and</u> ENG 102.</i>	
ENG 1301 English Composition I	3	ENG 101 College Composition I <b>OR</b> ENG 101A College Composition I with Review	3
ENG 1302 English Composition II	3	ENG 102 College Composition II	3

\* Transfer Credit/General Notes:

- CCC general education courses can potentially transfer toward CSU general education requirements, as outlined in this agreement, or Open Electives. CCC courses that do not fit CSU's general education categories will be reviewed for possible Open Electives credit.
- All CSU and CCC courses listed in the Humanities and Fine Arts – Group A category may be reviewed for application to the Humanities and Fine Arts – Group B category if needed. Duplicate transfer credit is not accepted.
- Direct transfer credit for a Major Requirement or General Education course requires the transfer course to be a minimum of 3 semester hours. Any credit remaining after transferring 3 semester hours to a CSU Major Requirements or general education course will be considered for transfer to Open Electives.
- Credit is only transferred in multiples of 3 semester hours to all CSU degree categories except Open Electives. Any CCC course worth 4 or more semester hours but only given 3 semester hours for chart purposes would be reviewed for the full credit designated by CCC, subject to program director approval.
- 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 CCC general education transfer towards CSU general education requirements. The 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 CCC for which there exists a CSU equivalent and could be more or less than the number of transfer credits in the example above. Please note, CSU accepts a maximum of 90 semester hours of transfer credit in the bachelor's degree program.

\*\*CCC courses required for the Company Officer Certificate. The CCC AAS Fire Science is included in the 69-74 hours required for the Company Officer Certificate.

<p><b>Coconino Community College (CCC):</b> <b>Fire Engineer Certificate</b></p>	<p><b>Semester Hours</b></p>	<p><b>Columbia Southern University Course Equivalency*</b></p>	<p><b>Semester Hours*</b></p>
<p>FSC 136 Fire Protection Hydraulics and Water Supply</p>	<p>3</p>	<p>FIR 3304 Fire Protection Hydraulics and Water Supply</p>	<p>3</p>
<p>FSC 139 Fire Apparatus Driver Operator</p>	<p>3</p>	<p>Fire Program Electives or Open Electives</p>	<p>3</p>

\* Course Equivalency Notes:

- 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.