

**Appendix**

**CSU Bachelor of Science Degree in Fire Administration**  
Applicable to students completing the following Milwaukee Area Technical College (MATC) undergraduate degree program:

**Fire Protection Technician, AAS - (10-503-2)**

<b>CSU Degree Requirements</b>	<b>CSU Required Credit Hours</b>	<b>MATC Transfer Courses*</b>	<b>MATC Transfer Credits*</b>	<b>Credits to take at CSU*</b>
<b>Major Requirements</b>	<b>36</b>	<i><b>MATC courses must be completed as outlined below:</b></i>	<b>18</b>	<b>18</b>
FIR 2301 Principles of Fire and Emergency Services	3	FIRE 142 Firefighting Principles	3	
FIR 2302 Principles of Fire and Emergency Services Safety and Survival	3	FIRE 192 Principles of Emergency Services Safety and Survival	3	
FIR 2303 Fire Behavior and Combustion	3	FIRE 195 Fire Behavior and Combustion	3	
FIR 2304 Building Construction for Fire Protection	3	FIRE 143 Building Construction for Fire Protection	3	
FIR 2305 Introduction to Fire Prevention	3	FIRE 151 Fire Prevention	3	
FIR 3305 Fire Protection Structure and Systems	3	FIRE 193 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 (CSU Course Options)</b>	<b>12</b>	<i><b>12 hours from the MATC courses listed below will complete this requirement:</b></i>	<b>12</b>	<b>0</b>
		FIRE 142 Firefighting Principles	1	
		FIRE 151 Fire Prevention	1	
		FIRE 191 Principles of Emergency Services	2	

		FIRE 144 Advanced Firefighting Principles	2	
		FIRE 153 Hazmat Awareness and Operations	1	
		FIRE 154 Hazmat Chemistry	2	
		FIRE 114 Employability Skills	3	
FIR 4305 Fire Investigation and Analysis	3	FIRE 157 Fire Investigation	3	
FIR 3304 Fire Protection Hydraulics and Water Supply	3	FIRE 194 Fire Protection Hydraulics	3	
FIR 3312 Fire Ground Tactics I	3	FIRE 156 Strategies, Tactics, and Incident Management	3	
FIR 3311 Legal Aspects of Emergency Services	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			
<b>CSU Degree Requirements</b>	<b>CSU Required Credit Hours</b>	<b>MATC Transfer Courses*</b>	<b>MATC Transfer Credits*</b>	<b>Credits to take at CSU*</b>
<b>Open Electives</b>	<b>42</b>	<i>The following MATC courses <u>and</u> 9 CSU courses will satisfy this requirement:</i>	<b>15</b>	<b>27</b>
		<i>Leftover approved credit from CSU Program Electives</i>	9	
		<i>Leftover credit from MATC General Education: Anatomy and Physiology Course</i>	1	
		EMS 192 Emergency Medical Technician	5	

CSU General Education Requirements	CSU Required Credit Hours	MATC General Education Courses	MATC Transfer Credits*	Credits to take at CSU*
<b>General Education</b>	<b>30</b>	<p><i>To receive the full general education transfer credit, 15 hours of MATC General Education courses must be completed as outlined below.</i></p> <p><i>Certain CSU degree programs have required prerequisite courses that may affect the amount of credit transferred.</i></p>	<b>15</b>	<b>15</b>
<b>CSU General Education Degree Category Requirements</b>				
<b>Humanities and Fine Arts - Group A</b>	<b>3</b>	-		
<b>Humanities and Fine Arts – Group B</b>	<b>3</b>	MATC General Education: 1 Communications, Speech, or English Course (3)** <ul style="list-style-type: none"> <li><i>MATC course must fit the specific requirements of CSU's Humanities and Fine Arts – Group B category.***</i></li> </ul>		
<b>Social/Behavioral Sciences</b>	<b>6</b>	MATC General Education: 2 Social Sciences Courses (6) <ul style="list-style-type: none"> <li><i>MATC course must fit the specific requirements of CSU's Social/Behavioral Sciences category.***</i></li> </ul>		
<b>History</b>	<b>3</b>	-		
<b>Natural Sciences</b>	<b>6</b>	MATC General Education: 1 Anatomy and Physiology Course (3) <ul style="list-style-type: none"> <li><i>MATC course must fit the specific requirements of CSU's Natural Sciences category.***</i></li> </ul>		
<b>Mathematics</b>	<b>3</b>	-		
<b>English Composition</b>	<b>6</b>	MATC General Education: 1 English Composition Course (3) <ul style="list-style-type: none"> <li><i>MATC course must fit the specific requirements of CSU's English Composition category.***</i></li> </ul>		
<b>Total Credits Required Bachelor of Science in Fire Administration</b>	<b>120</b>		<b>60</b>	<b>60</b>

\* Transfer Credit/General Notes:

- MATC General Education courses that do not satisfy CSU's General Education categories will be reviewed for Open Electives credit, if applicable.
- Math and English Composition courses must earn a grade of C or higher.
- Direct transfer credit for all degree categories must be a minimum of three credit hours, except in the Open Electives category. In cases where four 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.
- The total transfer credit amount assumes maximum MATC 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 MATC for which there exists a CSU equivalent and could be more or less than the number of transfer credits in the example above.

\*\* CSU's Humanities and Fine Arts-Group A requires three credit hours concentrated in Art, Literature, Religion, Music, Ethics, or Philosophy. Humanities and Fine Arts-Group B requires three credit hours in any of the aforementioned topics, Critical Thinking, Foreign Language, Speech, or select Communications courses.

\*\*\* MATC General Education Electives courses must fit the specific requirements of select CSU General Education categories to receive transfer credit. MATC General Education courses that do not satisfy CSU's General Education categories will be reviewed for Open Electives credit, if applicable.

Milwaukee Area Technical College (MATC): EMT, AEMT, and Paramedic Technical Diploma Programs	MATC Credit Hours	Columbia Southern University (CSU) Undergraduate Course Equivalency*	CSU Credit Hours*
<b>Emergency Medical Technician (EMT)</b>			
EMS 192 Emergency Medical Technician	5	Open Electives	5
<b>Emergency Medical Technician - Advanced (AEMT)</b>			
EMS 311 Advanced Intermediate Technician	4	Open Electives	4
<b>Emergency Medical Technician - Paramedic</b>			
EMS 911 EMS Fundamentals	2	Open Electives	2
EMS 912 Paramedic Medical Principles	4	Open Electives	4
EMS 913 Advanced Patient Assessment Principles	3	Open Electives	3
EMS 914 Advanced Prehospital Pharmacology	3	Open Electives	3
EMS 915 Paramedic Respiratory Management	2	Open Electives	2
EMS 916 Paramedic Cardiology	4	Open Electives	4
EMS 917 Paramedic Clinical and Field I	3	Open Electives	3
EMS 918 Advanced Emergency Resuscitation	1	Open Electives	1
EMS 919 Paramedic Medical Emergencies	4	Open Electives	4
EMS 920 Paramedic Trauma	3	Open Electives	3

EMS 921 Special Patient Populations	3	Open Electives	3
EMS 922 EMS Operations	1	Open Electives	1
EMS 923 Paramedic Capstone Assessment	1	Open Electives	1
EMS 924 Paramedical Clinical and Field II	4	Open Electives	4
SOCSCI 172 Introduction to Diversity Studies	3	Social and Behavioral Sciences** or Open Electives	3

\* Transfer Credit/General Notes:

- Credit awarded is subject to degree requirements at the time of enrollment and current transfer credit policy, which are subject to change.
- Paramedic credit will be reviewed for transfer to the Paramedic Core category in the Associate of Science in Emergency Medical Services degree program with an active state or NREMT Paramedic license. Most credit earned in an EMT/Paramedic college diploma program is only applicable as Open Elective credit and is not transferred to the CSU Associate of Science in Emergency Medical Services degree program.

\*\* MATC General Education Electives courses must fit the specific requirements of select CSU General Education categories to receive transfer credit. MATC General Education courses that do not satisfy CSU's General Education categories will be reviewed for Open Electives credit, if applicable.

**CSU Bachelor of Science Degree in Emergency Medical Services Administration**  
Applicable to students completing the following Milwaukee Area Technical College (MATC)  
undergraduate technical diploma program:

**Emergency Medical Technician – Paramedic, Technical Diploma (31-531-1)**

CSU Degree Requirements	CSU Required Credit Hours	MATC Transfer Courses*	MATC Transfer Credits*	Credits to take at CSU*
<b>Major Requirements</b>	<b>48</b>		<b>0</b>	<b>48</b>
EMS 2301 Anatomy and Physiology for EMS I	3			
EMS 2302 Anatomy and Physiology for EMS II	3			
EMS 3301 EMS Management	3			
EMS 3302 EMS Planning and Development	3			
EMS 3303 EMS Operations and Personnel Management	3			
EMS 3305 Risk Management Practices in EMS	3			
EMS 3306 Emergency Medical Communications	3			
EMS 4301 Finance of EMS Systems	3			
EMS 4302 Leadership in EMS Systems	3			
EMS 4303 Legal, Political, and Regulatory Environment in EMS	3			
EMS 4304 Community Risk Reduction in EMS	3			
EMS 4305 EMS Public Information and Community Relations	3			
EMS 4306 EMS Roles During Emergencies and Disasters	3			
EMS 4307 Research for the EMS Professional	3			
EMS 4320 EMS System Design	3			
HCA 3306 Community Health	3			

CSU Degree Requirements	CSU Required Credit Hours	MATC Transfer Courses*	MATC Transfer Credits*	Credits to take at CSU*
<b>Open Electives</b>	<b>42</b>	<i>The following MATC courses <u>and</u> 2 CSU courses will satisfy this requirement:</i>	<b>36</b>	<b>6</b>
		EMS 911 EMS Fundamentals	2	
		EMS 912 Paramedic Medical Principles	4	
		EMS 913 Advanced Patient Assessment Principles	3	
		EMS 914 Advanced Prehospital Pharmacology	3	
		EMS 915 Paramedic Respiratory Management	2	
		EMS 916 Paramedic Cardiology	4	
		EMS 917 Paramedic Clinical/Field I	3	
		EMS 918 Advanced Emergency Resuscitation	1	
		EMS 919 Paramedic Medical Emergencies	4	
		EMS 920 Paramedic Trauma	3	
		EMS 921 Special Patient Populations	3	
		EMS 922 EMS Operations	1	
		EMS 923 Paramedic Capstone Assessment	1	
		EMS 924 Paramedic Clinical/Field II	4	
CSU General Education Requirements	CSU Required Credit Hours	MATC General Education Courses	MATC Transfer Credits*	Credits to take at CSU*
<b>General Education</b>	<b>30</b>	<i>To receive the full general education transfer credit, 3 hours of MATC General Education courses must be completed as outlined below.  Certain CSU degree programs have required prerequisite courses that may affect the amount of credit transferred.</i>	<b>3</b>	<b>27</b>



CSU General Education Degree Category Requirements				
<b>Humanities and Fine Arts - Group A</b>	<b>3</b>	-		
<b>Humanities and Fine Arts - Group B</b>	<b>3</b>	-		
<b>Social/Behavioral Sciences</b>	<b>6</b>	MATC General Education: 1 Social Sciences course (3) <ul style="list-style-type: none"> <li><i>MATC courses must fit the specific requirements of CSU's Social/Behavioral Sciences category.**</i></li> </ul>		
<b>History</b>	<b>3</b>	-		
<b>Natural Sciences</b>	<b>6</b>	-		
<b>Mathematics</b>	<b>3</b>	-		
<b>English Composition</b>	<b>6</b>	-		
<b>Total Credits Required Bachelor of Science in Emergency Medical Services Administration</b>	<b>120</b>		<b>39</b>	<b>81</b>

\* Transfer Credit/General Notes:

- MATC General Education courses that do not satisfy CSU's General Education categories will be reviewed for Open Electives credit, if applicable.
- Math and English Composition courses must earn a grade of C or higher.
- Direct transfer credit for all degree categories must be a minimum of three credit hours, except in the Open Electives category. In cases where four 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.
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\*\* MATC General Education Electives courses must fit the specific requirements of select CSU General Education categories to receive transfer credit. MATC General Education courses that do not satisfy CSU's General Education categories will be reviewed for Open Electives credit, if applicable.