



AAS

**Fire Science  
2019-2020**

**96 credits**

**Fire Science**

Date of update: 6-19-2019

Program Coordinator/Advisor: Andy Hatfield

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Program Prerequisites: See requirements needed for first term classes.

Possible Term Plan	Course Number	Course Title	Credits	Terms	Prerequisites/Notes
General Education/ Applied Courses	WR 121	Academic Composition	4	F,W,S,Su	Prerequisite: WR115*, RD090*, placement by approved measure or instructor approval.
	HPE295	Wellness and Health	3	F,W,S,Su	None
	MTH095 or higher	Intermediate Algebra	4	F,W,S	Prerequisite: MTH065*, placement by approved measure or instructor approval.
	SP111	Fundamentals of Public Speaking	4	F,W,S,Su	Prerequisite: WR095 and RD090* or placement by approved measure.
	PSY101	Psychology of Human Relations	3	F,W,S,Su	None
	WR227	Technical Writing	4	F,W,S,Su	Prerequisite: WR121*

*\*with a grade of C or better*

Technical Courses Required	EMS151	EMT Part 1	5	F,S	Program Coordinator Approval Required
	EMS152	EMT Part 2	5	W,Su	Prerequisite: EMS151
	FRP201A and FRP201B and FRP201C or ES113	(201A) Fire Rescue- Rough Terrain, (201B) Fire Rescue- Swift Water, (201C) Fire Rescue- Vehicle Extrication, (ES113) Emergency Medical Services Rescue	1,1,1 or 3	(201A) S, (202B) Su, (201C) W or (ES113) S	None
	FRP213	Firefighting Tactics and Strategy	3	W	Prerequisite: Second-Year standing or instructor approval.
	FRP121A	Elementary Fire Science Part 1	4	F	None
	FRP121B	Elementary Fire Science Part 2	4	W	Prerequisite: FRP121A or instructor approval
	FRP230	Fire Service Hydraulics	4	W	None
	FRP132	Fire Pump Construction and Operation	3	S	FRP 230 or instructor approval
	FRP122	Fundamentals of Fire Prevention	3	F	None
	FRP123	Hazardous Materials Awareness/Operations	4	F	None
	FRP280	Fire Related Skills	6	F,W,S,Su	Prerequisite: Instructor Approval
	FRP212	Fire Investigation	3	S	Prerequisite: Second-Year standing or instructor approval.
	FRP111	Building Construction for Fire Suppression	3	F	None
	FRP202	Fire Protection Systems	3	W	None
	FRP159	Fire Behavior and Combustion	3	F	None
	FRP101	Firefighting Safety & Survival	3	W	None
	FRP133	Natural Cover Fire Protection	3	W	None
	ES101 or EMS175	(ES101) Principles of Emergency Services or (EMS175) Intro to Emergency Medical Services	3 or 3	F,S	None
	ES107	Legal Aspects of Emergency Services	2	S	None
	ES103	Occupational Safety and Health for Emergency Services	2	W	None
ES109	Principles of Fire and Emergency Services Administration	3	S, Su*	None	

	FRP135 or Ch104/112	Hazardous Materials Chemistry	2	W	See advising notes
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Recommended Electives	FRP263	NFPA Fire Instructor II	2		Prerequisite: FRP163
	FRP151A	CPAT	3		None
	FRP151B	CPAT	3		None
	FRP151C	CPAT	3		None
	FRP201D	Swift Water Advance	2	TBA	None
	FRP270	Fire Officer I A	4	F,W,S	Prerequisite: Instructor Approval
	FRP271	Fire Officer I B	4	F,W,S	Prerequisite: FRP270
	FRP290	Fire Officer II	4	F,W,S	Prerequisite: FRP271
	FRP291	Fire Officer II	4	F,W,S	Prerequisite: FRP290
	EMS251	Paramedicine Part 1	10	F	Prerequisite: BI231, BI232, BI233, WR121, MTH095, EMS151, EMS152, EMS170, EMS175, EMS180, and MED111 with a grade of C or better, Oregon EMT Basic or EMT Intermediate certification.
	EMS252	Paramedicine Part 2	8	W	Prerequisite: EMS251. Corequisite: EMS261
	EMS253	Paramedicine Part 3	8	S	Prerequisite: EMS252. Corequisite: EMS262
	EMS254	Paramedicine Part 4	6	Su	Prerequisite: EMS253. Corequisite: EMS263

Advising Notes	<p>Program participants must: be a U.S. citizen, not have been convicted by any state or federal government of a crime-the punishment for which could have been imprisonment in a federal or state prison, be of good moral character as determined by a thorough background investigation, be capable of passing a series of basic physical agility tests, possess a valid Oregon driver's license with an acceptable driving record.</p>
	<p>If students are pursuing Paramedic path, Ch104/112 should be taken over FRP135 as it is a prerequisite for BI231 (Anatomy and Physiology)</p>

Required/ Recommended Equipment and Software	<b>Reliable Internet Access</b>
	<b>PC with MS Word 2013 or newer</b>