

2nd Semester		Credits
DRFT 112	Materials and Processes	3
DRFT 113	Materials and Processes Lab	2
DRFT 115	Technical Drafting II	4
DRFT 120	Descriptive Geometry	3
MATH 180	Trigonometry	3
MATH 160	College Algebra	3
	Total	18
3rd Semester		Credits
DRFT 210	Technical Drafting III	4
PHYS 211	General Physics I	3
PHYS 211L	General Physics I Lab	1
	Humanities/Social Science Elective	3
	Approved Drafting Elective **	3-4
	Total	14-15
4th Semester		Credits
DRFT 255	Statics and Strength of Materials	4
DRFT 260	Advanced AutoCAD	4
ENGL 218	Advanced Technical Composition	3
COMM 110	Public Speaking OR	
COMM 111	Interpersonal Communication	3
	Approved Drafting Elective**	3-4
	Total	17-18
	Total Credits	66-68

* DRFT 110 and DRFT 150 should be taken in the same semester.

** Approved Drafting Electives: COGR 295, DMAD 170, DMAD 172, DMAD 240, DRFT 195, DRFT 225, DRFT 248, DRFT 295, GEOG 120, or GEOG 151

EMERGENCY MEDICAL SERVICES

Associate of Applied Science and Certificate

The Emergency Medical Services (EMS) programs offer courses for students interested in a career in pre-hospital emergency medicine as well as basic emergency medical knowledge for use in other professions. The San Juan College EMS program works to educate caring, competent, and compassionate medical professionals for service to the public.

The Emergency Medical Responder (formerly First Responder) course is the most basic level of formal emergency medical training offered by the college. The course is designed for students who generally do not intend to pursue advanced training in EMS; however, it is a shorter course that can provide someone that is just interested in exploring EMS as a possible career with a better insight into what the profession is about. The course is typically taken by students acting as “first responders” in industrial or volunteer settings. The course is designed to meet the US DOT National Standard Curriculum for First Responder, the EMS Education Standards for Emergency Medical Responder, and the NM EMS training standards. The course is NOT a prerequisite or corequisite to any other level of EMS training at SJC.

The Emergency Medical Technician (formerly EMT-Basic) certificate program offers the entry-level course for pursuing a career in EMS. Entry-level students must complete the EMT certificate program in order to gain EMS licensure in the state of New Mexico. The course is designed to meet the US DOT National Standard Curriculum for EMT-Basic, the EMS Education Standards for Emergency Medical Technician, and the NM EMS training standards. EMT licensure/certification is a prerequisite for higher level EMS programs.

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The Advanced Emergency Medical Technician (formerly EMT-Intermediate) certificate program builds on the basic knowledge of the EMT with additional training and skills. These courses may be taken by students wishing to gain additional medical skills, but not necessarily wishing to pursue training as a paramedic. Field experience in EMS is strongly encouraged between EMT certification and entry into the AEMT program. AEMT is a recommended prerequisite to the paramedic program and is strongly recommended for students with limited field experience. The program is designed to meet the US DOT National Standard Curriculum for EMT-Intermediate (1985), the EMS Education Standards for Advanced Emergency Medical Technician, and the NM EMS training standards.

Paramedics provide the highest level of care in the pre-hospital setting and are currently in high demand. Students interested in pursuing training at the paramedic level have the option of both a certificate program and an Associate of Applied Science degree. The AAS degree may be transferrable to four-year baccalaureate degree programs in EMS. Those students wishing to transfer to a baccalaureate granting institution are strongly encouraged to check with their advisor and carefully coordinate their coursework at San Juan College with the requirements of the transfer institution. A full Associate of Science degree option is also available for those students requiring it (see Associate of Science section for additional information). This program is designed to meet the US DOT National Standard Curriculum for EMT-Paramedic, the EMS Education Standards for Paramedic, and the NM EMS training standards.

Students who complete the certificate or degree programs are eligible to sit for the applicable levels of the New Mexico state EMS licensure and/or the National Registry exams.

Additional specialty courses outside of the certificate and degree programs are also offered. Information on all EMS program courses can be found in the Course Descriptions section of the catalog, by contacting the EMS Program office, or by visiting the program website.

Note: The student must complete each course in the curriculum with a C or better to remain in and graduate from the program.

Emergency Medical Responder (Course)

Prerequisites: Completion of RDNG-050 or appropriate Reading Accuplacer score.

Core Courses		Credits
EMSP 111	Emergency Medical Responder	4

Emergency Medical Technician Certificate

Prerequisites: Completion of RDNG-113 or appropriate Reading Accuplacer score; instructor/coordinator approval; Additional requirements possible as established by clinical and/or field sites

Core Courses		Credits
EMSP 116	Emergency Medical Technician	12

Advanced Emergency Medical Technician Certificate

Prerequisites: High school diploma or GED; current NM EMT licensure or National Registry EMT certification valid through the duration of the program; current AHA Basic Life Support or comparable healthcare provider CPR certification valid through the duration of the program; completion of RDNG-113 and MATH-096 or appropriate Reading and Math Accuplacer scores (MATH 114 recommended); Instructor/coordinator approval; additional requirements possible as established by clinical and/or field sites.

Core Courses		Credits
EMSP 125	Advanced Emergency Medical Technician	7
EMSP 128	Advanced EMT Lab	3
EMSP 131	Advanced EMT Clinical/Field Internship	2
Total Credits		12

Paramedic Associate of Applied Science and Certificate

Admission Process:

Selection into the Paramedic program is limited and competitive with available seats awarded to the most qualified applicants based on the following criteria:

1. High school diploma or GED
2. Proof of academic ability: Completion of RDNG-113, ENGL-098, and MATH-096 or appropriate Reading, English, and Math Accuplacer scores. (MATH 114 recommended)
3. Completion of program prerequisites (Students currently enrolled in a prerequisite course that will complete the course prior to the start of the program will be considered contingent on their successful completion of the coursework.)
4. Complete program application with all required documentation
5. Current New Mexico licensure or National Registry certification at the level of Emergency Medical Technician (or EMT-Basic) or higher that will be valid through the duration of the program
6. Current AHA Basic Life Support or comparable healthcare provider CPR certification that will be valid through the duration of the program
7. One year of documented EMS experience (Students with less than one year of experience should refer to the note in item #8.)
8. Letter of recommendation (Students with less than one year of documented experience as required in item #7 can substitute two additional letters of recommendation from individuals familiar with the students' EMS knowledge and skills for a total of three letters.)
9. Completion of the Health Occupations Basic Entrance Test (HOBET) (Testing dates will be established at the SJC Testing Center, or students may take the test at any other testing site where it is offered and have the results reported to the SJC EMS Program.)
10. Completion of an Advanced Emergency Medical Technician (EMT-Intermediate) written examination administered by the EMS Program by appointment.
11. All other requirements as may be established by clinical and/or field training sites including, but not limited to, criminal background check, drug screening, and proof of vaccinations or titers.
12. Interview with EMS Program staff
13. Attendance at a mandatory program orientation

Program Prerequisites		AAS	C
BIOL 252	Human Anatomy and Physiology I	4	4
BIOL 253	Human Anatomy and Physiology II	4	4
Total		8	8
Fall Semester		AAS	C
EMSP 112	Physical Fitness for EMS	1	1
EMSP 200	Assessment and Clinical Decision Making	1	1
EMSP 205	Airway and Ventilatory Management	1	1
EMSP 211	Paramedic Professional Practice	2	2
EMSP 216	Emergency Pharmacology	2	2
EMSP 219	Medical Emergencies I	1	1

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EMSP 225	Cardiology	3	3
EMSP 229	Paramedic Lab I	11	11
EMSP 245	Advanced Cardiac Life Support	1	1
	Total	23	23
Spring Semester		AAS	C
EMSP 112	Physical Fitness for EMS (<i>Repeated</i>)	1	1
EMSP 242	Trauma Management	3	3
EMSP 246	Pediatric Advanced Life Support	1	1
EMSP 251	EMS Operations	2	2
EMSP 256	Current Issues in EMS	2	2
EMSP 261	Special Populations	2	2
EMSP 269	Medical Emergencies II	4	4
EMSP 271	Paramedic Clinical	4	4
EMSP 274	Paramedic Lab II	10	10
	Total	29	29
Summer Semester		AAS	C
EMSP 279	Paramedic Capstone	2	2
EMSP 282	Paramedic Field Internship	13	13
	Total	15	15
General Education Courses		AAS	C
ENGL 111	Freshman Composition OR		
ENGL 118	Technical Composition	3	
ENGL 211	Advanced Composition OR		
ENGL 218	Advanced Technical Composition	3	
COMM 111	Interpersonal Communications	3	
	MATH 114 or higher	3	
	Humanities/Social Science Elective	3	
	Total	15	
Total Credits:		82	67

FIRE SCIENCE

Associate of Applied Science and Certificates

The Associate of Fire Science degree is designed to give students the essential educational and hands-on elements needed for a career in firefighting. Students will receive training in the basic concepts of firefighting and will participate in actual hands-on evolutions that will give them real experience in the firefighting career field. This program is extremely physically demanding and requires participants to successfully complete evolutions where the students operate in one of the most aggressive atmospheres that a human being can survive.

Note: The student must complete each course in the curriculum with a C or better to graduate from the program.

Basic Firefighting Certificate

The Basic Firefighting Certificate will be issued to those students successfully completing the 100 level courses outlined below. This certificate represents 32 credit hours for the most basic level of certification offered in this program.