

3rd Semester		AAS	C
DRFT 119	Surveying	4	
DRFT 201	Investigations In Civil Drafting	1	
DRFT 210	Technical Drafting III	4	
DRFT 248	Civil Drafting I	4	
ENGL 218	Advanced Technical Composition	3	
<b>Total</b>		<b>16</b>	<b>0</b>
4th Semester		AAS	C
DRFT 247	Construction Practices and Estimating	4	
DRFT 249	Civil Drafting II	4	
DRFT 255	Statics and Strength of Materials	4	
COMM 110	Public Speaking <b>OR</b>		
COMM 111	Interpersonal Communication	3	
	Humanities/Social Science Elective	3	
	Approved Drafting Elective**		3-4
<b>Total</b>		<b>18</b>	<b>3-4</b>
<b>Total Credits</b>		<b>69</b>	<b>34-35</b>

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

\*\*Approved electives are: COGR 295, DMAD 170, DMAD 172, DMAD 240, DRFT 195, DRFT 225, DRFT 260, DRFT 295, GEOG 120, or GEOG 151

## DRAFTING

### Associate of Applied Science Degree Mechanical Drafting and Design

The Mechanical Drafting and Design degree program is intended to provide the students with a firm mathematical and scientific foundation on which to build a high degree of technological expertise in manufacturing and engineering technology. These are skills associated with mechanical related positions in industry, engineering technology, and with the government. A strong background in general education courses enhances the student's understanding of society and to make progress in his/her field of choice more accessible.

Note: A student must earn a grade of C or higher in all courses required for the program in order to receive a degree.

1st Semester		Credits
COSC 125	Business Microcomputers	3
DRFT 110*	Technical Drafting I	3
DRFT 150*	Computer-Aided Drafting (CAD)	4
ENGL 111	Freshman Composition <b>OR</b>	
ENGL 118	Technical Composition	3
	Lab Science Elective	4
<b>Total</b>		<b>17</b>

<b>2nd Semester</b>		<b>Credits</b>
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
	<b>Total</b>	<b>18</b>
<b>3rd Semester</b>		<b>Credits</b>
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
	<b>Total</b>	<b>14-15</b>
<b>4th Semester</b>		<b>Credits</b>
DRFT 255	Statics and Strength of Materials	4
DRFT 260	Advanced AutoCAD	4
ENGL 218	Advanced Technical Composition	3
COMM 110	Public Speaking <b>OR</b>	
COMM 111	Interpersonal Communication	3
	Approved Drafting Elective**	3-4
	<b>Total</b>	<b>17-18</b>
	<b>Total Credits</b>	<b>66-68</b>

\* 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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