

2nd Semester

ENGL 118	Technical Composition	3
DRFT 111	Drafting for Industry	3
MASH 122	Basic Milling Operations	4
MASH 123	Machining Calculations	3
MASH 124	Precision Surface Grinding	4
MASH 129	Tool Grinding	3
		Total 20

3rd Semester

ENGL 218	Advanced Technical Composition	3
WELD 111	Basic Welding (Offered in the Fall only)	2
MASH 206	Advanced Lathe Operations	4
MASH 207	Specialized Machining Operations	3
MASH 208	Advanced Milling Operations	4
MASH 209	Machine Shop Maintenance	3
		Total 19

4th Semester

MASH 212	Advanced Machining Techniques	4
MASH 213	Basic CNC Machining	3
MASH 216	Advanced Single Point Threading	4
MASH 217	CAD-CAM Machining	3
SPCH 111	Interpersonal Communication OR	
SPCH 110	Public Speaking	3
	Humanities / Social Science Elective	3
		Total 20

Total Credits 79

MACHINE SHOP TECHNOLOGY

Two-Year Certificate Program

Course sequencing for first time students

Recommended course sequencing for first-time students.

1st Semester		Credits
MASH 115	Machine shop blue print reading	3
MASH 116	Basic Machine Shop	4
MASH 117	Machinist Measurements	3
MASH 118	Basic Lathe Operations	4
MASH 119	Single Point Threading	3
MATH 113	Applied Mathematics for Vocational Students	3
		Total 20

2nd Semester

DRFT 111	Drafting for Industry	3
MASH 122	Basic Milling Operations	4
MASH 123	Machining Calculations	3
MASH 124	Precision Surface Grinding	4
MASH 129	Tool Grinding	3
		Total 17

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MACHINE SHOP TECHNOLOGY
Two-Year Certificate Program
Associate of Applied Science Degree
(Continued)

3rd Semester

WELD 111	Basic Welding (Offered in Fall Only)	2
MASH 206	Advanced Lathe Operations	4
MASH 207	Specialized Machining Operations	3
MASH 208	Advanced Milling Operations	4
MASH 209	Machine Shop Maintenance	3
	Total	16

4th Semester

MASH 212	Advanced Machining Techniques	4
MASH 213	Basic CNC Machining	3
MASH 216	Advanced Single Point Threading	4
MASH 217	CAD- CAM Machining	3
	Total	14

Total Credits 67

MEDICAL LABORATORY TECHNICIAN
Associate of Applied Science

San Juan College offers a Medical Laboratory Technician Program leading to an Associate of Applied Science degree. The curriculum prepares learners for an entry level position as a medical laboratory technician. The medical laboratory technician is a key member of the health care team performing clinical laboratory procedures in a variety of areas including hematology, chemistry, microbiology, immunology and immunohematology. The information from these analyses is used in the maintenance of health and the diagnosis and monitoring of disease and treatment. Program graduates may continue their education toward a baccalaureate degree in medical technology or clinical laboratory science.

Students who successfully complete the program will be eligible to take the national certification examination.

The Medical Laboratory Technician Program has applied for accreditation to:

National Accrediting Agency for Clinical Laboratory Science (NAACLS)

8410 W. Bryn Mawr Ave. Suite 670

Chicago, IL 60631

Phone: 773-714-8880

Website: www.naacls.org

Admission Requirements

Admission to the Medical Laboratory Technician program is limited and selective. To be considered for admission to the program the following requirements must be met:

1. Have a high school diploma or equivalent.
2. Have a college minimum cumulative GPA of 2.75 or better.
3. Complete the prerequisite courses of MATH 115, CHEM 110, CHEM 210, BIOL 252, BIOL 253, BIOL 224 with a minimum grade of C, and complete MLTS 120 and MLTS 160 with a minimum grade of B.
4. Students are encouraged to finish as many of the General Education Requirements as possible before entering the major.
5. Submit a completed application by the third Friday in October.

Continued on next page