

The Technical Certificate (T.C.) in Pneumatics, Hydraulics and Motors for Manufacturing focuses on motor and controls, hydraulics, mechanical systems, and drive and pumps.

<input checked="" type="checkbox"/> Task
<input type="checkbox"/> View career information at http://www.fscj.edu/careercoach
<input type="checkbox"/> Meet with your advisor each term.
<input type="checkbox"/> Satisfy the technical certificate graduation requirements.

Articulation

This certificate articulates directly into the Engineering Technology (Advanced Manufacturing (2320) (A.S.) degree. Students may pursue one or more certificates to develop or upgrade their skills in a particular field or pursue the A.S. degree and earn technical certificates while completing the requirements for the degree. Contact an advisor to determine the career education path that is best for you.

Advising

(904) 598-5618 or amt@fscj.edu.

Recommended Roadmap

This roadmap provides general guidance about recommended courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog for additional information. **These courses can be taken in any order.** A minimum grade of C or higher must be achieved in all professional courses.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	ETS 1511C - Motors and Controls	3	Spring	Hybrid
<input type="checkbox"/>	ETS 1700C - Hydraulics and Pneumatics	3	Fall, Summer	Hybrid
<input type="checkbox"/>	ETM 2315C - Mechanical Devices and Systems	3	Fall	Hybrid
<input type="checkbox"/>	ETM 2317 - Drive and Pump Systems	3	Fall	Hybrid

Total Program Credit Hours

The Pneumatics, Hydraulics and Motors for Manufacturing T.C. program requires a **minimum of 12 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance.

Important for You to Know

This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include MAT 1033: Intermediate Algebra, which, for many students, is a prerequisite course for MAC 1105.