About This Emphasis . . .

The Process Technology Program will prepare students for entry level employment as process operators or technicians. A process operator/technician is a key member of a team of people responsible for planning, analyzing, and controlling the production of products from the acquisition of raw materials through the production and distribution of products to customers in a variety of process industries.

This program will provide the student with an understanding of process equipment and its principles of operation and control. The graduate will understand the technical aspects of the work, the responsibilities of the work and the importance of safety in this vitally important, shift oriented position. The industries interested in the graduates from the program include, but are not limited to, oil exploration and production, mining and mineral processing, petroleum product manufacturing, advanced manufacturing, pharmaceutical production, food and beverage, electric power generation, drinking water treatment and wastewater treatment.

POLICIES:
1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the MSC Catalog for a complete list of graduation requirements.
2. You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December**.
3. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.**
4. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the WCCC for signature.
5. Finally, the WCCC or the department administrative assistant will take the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
6. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
7. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).

NAME: _____   **STUDENT ID #** _____

LOCAL ADDRESS AND PHONE NUMBER: _____

_____ (   ) _____

I, (Signature)_____, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

_____   _____ 20_____
Signature of Advisor   Date

_____   _____ 20_____
Signature of WCCC   Date

_____   _____ 20_____
Signature of Registrar   Date

Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.

Degree Requirements:
- 2.00 cumulative GPA or higher in all MSC coursework and a "C" or better must be achieved in coursework toward major content area.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Program sheets are for advising purposes only. Because a program may have requirements specific to the degree, check with your advisor for additional guidelines, including prerequisites, grade point averages, grades, exit examinations, and other expectations. It is the student's responsibility to be aware of, and follow, all guidelines for the degree being pursued. Any exceptions or substitutions must be approved by the faculty advisor and/or Department Head. Courses related to teacher licensure must also be approved by the Teacher Education Dept.
- When filling out the program sheet a course can be used only once.
- See the "Undergraduate Graduation Requirements" in the Mesa State College catalog for additional graduation information

GENERAL EDUCATION REQUIREMENTS (18 semester hours)
See the current Mesa State College catalog for a list of courses that fulfill the requirements below. If a course is on the general education list of options and a requirement for your major, <u>you must use it to fulfill the major requirement</u> and make a different selection within the general education requirement.

Course No Title	Sem.hrs	Grade	Term/Trns
English (6 semester hours)			
ENGL 111 English Composition	3	____	____
ENGL 112 English Composition	3	____	____
Mathematics (4 semester hours)			
MATH 108 Technical Mathematics	4	____	____

Course No Title	Sem.hrs	Grade	Term/Trns
Social and Behavioral Science, Humanities or Selected Speech Courses (6 semester hours)			
_____ ____ _____	3	____	____
_____ ____ _____	3	____	____
Kinesiology (2 semester hours)			
KINE 100 Health and Wellness	1	____	____
KINA 1____ _____	1	____	____

ASSOCIATE OF APPLIED SCIENCE: PROCESS SYSTEMS TECHNOLOGY REQUIREMENTS
(45 semester hours)

Core Classes

Course No	Title	Sem.hrs	Grade	Term/Trns
TECI 132	Intro Info Tech Hard/Soft	3	____	____
PROS 100	Intro to Process Technology	3	____	____
PROS 110	Safety, Health, & Environment	3	____	____
TECI 110	Applied Physics	3	____	____
PROS 117	DC Circuits	3	____	____
PROS 118	AC Circuits	3	____	____
CHEM 100	Chemistry and Society	3	____	____
PROS 120	Process Technology I: Equipment	4	____	____
PROS 130	Instrumentation	3	____	____
PROS 210	Process Technology II: Systems	4	____	____
TECI 251	Personal and Professional Leadership Development	2	____	____
PROS 220	Process Technology III: Operations	4	____	____
PROS 230	Quality in Process Technology	3	____	____
PROS 292	Capstone	4	____	____

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF APPLIED SCIENCE WITH AN EMPHASIS IN PROCESS SYSTEMS TECHNOLOGY

First Semester		Hours
ENGL 111	English Composition	3
MATH 108	Technical Mathematics	4
TECI 132	Intro to Info Tech Hardware/Sys Software	3
PROS 100	Introduction to Process Technology	3
PROS 110	Safety, Health, and Environment	3
KINE 100	Health and Wellness	1
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Second Semester		Hours
TECI 110	Applied Physics	3
PROS 117	DC Circuits	3
PROS 118	AC Circuits	3
CHEM 100	Chemistry and Society	3
PROS 120	Process Technology I: Equipment	4
		16

Third Semester		Hours
ENGL 112	English Composition	3
General Education Soc/Beh. Sci, Humanities, or Speech		3
PROS 130	Instrumentation	3
PROS 210	Process Technology II: Systems	4
TECI 251	Personal and Professional Leadership Development	2
		15

Fourth Semester		Hours
KINA*	Activity	1
General Education Soc/Beh. Sci, Humanities, or Speech		3
PROS 220	Process Technology III: Operations	4
PROS 230	Quality in Process Technology	3
PROS 292	Capstone	4
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