



# ACADEMIC MAP

Chemical & Polymer Operator, C.A.S.

## Semester 1

COURSE	CR	COMMENTS
COLL 101 ORIENTATION TO COLLEGE	1	
MATH 120 QUANTITATIVE LITERACY	3	
ENGL 107 TECHNICAL WRITING	3	
ATPT 130 INTRO TO PROCESS TECHNOLOGY	2	
ATPT 131 PROCESS SAFETY, HLTH, ENVRNMTL	3	
ATPT 244 PROCESS TECH 3 - OPERATIONS	3	
<b>TOTAL:</b>	<b>15</b>	



The **Certificate of Applied Science in Chemical and Polymer Operator** is a hands-on program that prepares individuals to enter the good-paying field of process operator/technician. On-the-job

training is an integral component to this cooperative program. On-the-job training for students is arranged with employers in the chemical and polymer industry. Students will complete alternating semesters of classroom work and on-the-job training work.




## Semester 2

COURSE	CR	COMMENTS
ATPT 150 PROCESS TECH FIELD EXPERIENCE	1	
<b>TOTAL:</b>	<b>1</b>	



**MILESTONE COURSE:** These courses are the keys to graduation. Courses should be taken in the recommended semesters to stay on time for completion.

## Semester 3

COURSE	CR	COMMENTS
ATPT 132 PROCESS QUALITY	3	
ATPT 140 PROCESS INSTRUMENTATION	3	
ATPT 242 PROCESS TECH 2 - SYSTEMS	3	
ATPT 141 PROCESS TECH 1 - EQUIPMENT	3	
ATPT 260 CAPSTONE COURSE	1	
<b>TOTAL:</b>	<b>13</b>	



**CAREER PLANNING:** Chemical Plant and System Operators, Power Plant Operators, and Process Operators.



**CAPSTONE COURSE:** Culminating coursework around process technology certification.



Students should average 15 credit hours per semester, or 30 per year, to

## Semester 4

COURSE	CR	COMMENTS
ATPT 250 PROCESS TECHNOLOGY FIELD EXPERIENCE	1	
<b>TOTAL:</b>	<b>1</b>	

graduate on time

**TOTAL DEGREE CREDITS:**

**30**

# Foundational Learning Courses (FLCs):

To ensure breadth and depth as students meet these broad education goals, the curriculum focuses on six academic “strands.”

<b>Aesthetics, Creativity, and Appreciation</b>	<b>Human Communication and Interaction</b>	<b>People and Their Worlds</b>	<b>Quantitative Reasoning</b>	<b>Scientific Inquiry</b>	<b>Writing and Rhetoric</b>
ART-101	COMM-105	ECON-201	MATH-120	ASTR-106 BIOL-101	ENGL-101
ART-111	COMM-111	ECON-202	MATH-125	BIOL-102	ENGL-102
ENGL-131	COMM-112	GEOG-102	MATH-126	BIOL-103	ENGL-107
ENGL-132	COMM-202	HIST-101	MATH-211	BIOL-104	
ENGL-221		HIST-102		BIOL-107	
ENGL-222		HIST-152		BIOL-108	
ENGL-241		HIST-153		BIOL-109	
ENGL-242		HIST-250		BIOL-115	
ENGL-257		PHIL-111		BIOL-117	
ENGL-261		PHIL-150		BIOL-171	
ENGL-262		PHIL-231		CHEM-111	
ENGL-285		POLS-101		CHEM-115	
MUSI-170		POLS-102		CHEM-116	
THEA-101		PSYC-101		GEOL-101	
		PSYC-241		GEOL-102	
		SOC-101		GEOL-103	
		SOC-107		GEOL-104	
		SOC-221		GEOL-105	
				PSCI-101	
				PSCI-111	
				PSCI-112	
				PHYS-101	
				PHYS-102	
				PHYS-111	