



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 | |
| TOTAL: | 15 | |



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.



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



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



CAPSTONE COURSE: Culminating coursework around process technology certification.

15-30




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

graduate on time

Semester 2

| COURSE | CR | COMMENTS |
|--|----------|---|
| ATPT 150 PROCESS TECH FIELD EXPERIENCE | 1 |  |
| TOTAL: | 1 | |

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 |  |
| TOTAL: | 13 | |

Semester 4

| COURSE | CR | COMMENTS |
|--|----------|---|
| ATPT 250 PROCESS TECHNOLOGY FIELD EXPERIENCE | 1 |  |
| TOTAL: | 1 | |

TOTAL DEGREE CREDITS:

30

General Education Courses



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

| Composition & Rhetoric | Science & Technology | Math & Quantitative Skill | Society, Diversity & Connections | Human Inquiry & the Past | The Arts and Creativity |
|------------------------|-----------------------|---------------------------|----------------------------------|--------------------------|---|
| ENGL 101 | ASTR 106 | MATH 120 * | COMM 105 | HIST 101 | History & Literature of the Arts |
| ENGL 102 | BIOL 101 & BIOL 103 L | MATH 121 | COMM 111 | HIST 102 | |
| ENGL 107* | BIOL 102 | MATH 125 * | COMM 112 | HIST 152 | ART 101 |
| ENGL 108* | BIOL 104 L | MATH 126 | ECON 201 | HIST 153 | ART 105 |
| | BIOL 107 * | MATH 128 | ECON 202 | HIST 250 * | ART 106 |
| | BIOL 108 * | MATH 129 | FREN 101 | PHIL 111 | MUSI 170 |
| | BIOL 109 * | MATH 150 | FREN 102 | PHIL 150 * | THEA 101 |
| | BIOL 115 | MATH 155 | GEOG 102 | PHIL 170 | Literature |
| | BIOL 117 | MATH 156 | GEOG 240 | | ENGL 131 |
| | BIOL 171 | MATH 211 | POLS 102 | | ENGL 132 |
| | CHEM 111 | | POLS 220 | | ENGL 221 |
| | CHEM 115 | | PSYC 101 | | ENGL 222 |
| | CHEM 116 | | PSYC 241 | | ENGL 241 |
| | CS 101 | | RELI 231 | | ENGL 242 |
| | GEOL 101 & GEOL 102 L | | SOC 101 | | ENGL 261 |
| | GEOL 103 & GEOL 104 L | | SOC 105 | | ENGL 262 |
| | GEOL 105 & GEOL 105 L | | SOC 221 | | ENGL 285 |
| | PSCI 111 | | SOC 232 | | Applied Arts |
| | PSCI 112 | | SPAN 101 | | ART 109 |
| | PHYS 101 | | SPAN 102 | | THEA 102 |
| | PHYS 102 | | | | Creative Writing |
| | PHYS 111 | | | | ENGL 213 |
| | PHYS 112 | | | | ENGL 214 |
| | | | | | ENGL 215 |

* Serves technical and professional degree programs specific to WVU Parkersburg. Does not transfer to WVU as General Education (March 2018).