# Catalog Year 2015-2016

## Associate Degree of Applied Science in Process Technology

### PTAC Courses, Pre-Requisites* and Requirements¹

<table>
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<th>Semester 1</th>
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<tr>
<td><strong>ENGL 1301</strong></td>
<td><strong>CHEM 1405</strong></td>
<td><strong>PHYS 1401 or 1410</strong></td>
<td>**PTAC 2420 ***</td>
<td>**PTAC 2346 ***</td>
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| Composition and Rhetoric in Communication | Introduction to Chemistry  
Prereq: TSI MATH-350 or equivalent/TECM-1343 or MATH-1314 / TSI Reading 351 | College or Applied Physics  
Prereqs: MATH 1314 & MATH 1316 for PHYS 1401 or TECM 1343 for PHYS 1410 | Process Tech II - Systems  
Prereqs: PTAC 1302, PTAC 1308, PTAC 1310, PTAC 1332, CHEM 1405, PHYS1410/1401 | Process Troubleshooting  
Prereqs: PTAC 1302, PTAC 1308, PTAC 1310, PTAC 1332, CHEM 1405, PHYS1410/1401, PTAC 2420 |
| **MATH 1314 or TECM 1343**  | **PTAC 1310 ***  | **PTAC 1332 ***  | **PTAC 1354**  | **PTAC 2438 ***  |
| College Algebra or Technical Algebra and Trigonometry  
Prereq: TSI Math - 350 | Process Tech I - Equipment  
Prereqs: PTAC 1302, TSI Math - 343 | Instrumentation I  
Prereqs: PTAC 1302, TSI Math - 343 | Industrial Processes  
Prereqs: PTAC 1302, PTAC 1308, PTAC 1310, PTAC 1332, CHEM 1405, PHYS1410/1401 | Process Technology III - Operations  
Prereqs: PTAC 1302, PTAC 1308, PTAC 1310, PTAC 1332, CHEM 1405, PHYS1410/1401, PTAC 2420 |
| **PTAC 1302 ***  | **PTAC 1308 ***  | **PTAC 1350**  | **SPCH 1315 or BUSI 2304**  | **CTEC 2445**  |
| Intro to Process Technology  
Prereq: CPT Reading 61 | Safety, Health and Environment  
Prereq: TSI Math - 343, PTAC 1302 | Industrial Economics  
Prereqs: PTAC 1302, MATH 1314 or TECM 1343 | Public Speaking or Business Communications | Unit Operations  
"Hands On" GSU Operations and Troubleshooting Capstone Course  
Prereqs: PTAC1302, PTAC1308, PTAC1310, PTAC1332, CHEM 1405, PHYS1410/1401, PTAC 2420  
Pre-Exam |
| **SOCI 1301 or PSYC 2301 or PSYC1300**  | **Humanities / Fine Arts**  | **PTAC 2314 ***  | **PHED 1164**  | **CTEC 2286/2486 ***  |
| Introduction Sociology or Psychology or Psychology for Success | Select a 3 credit hour course from:  
Humanities, Literature, Philosophy, Drama, Art, Music.  
(See catalog page 61) | Quality  
Prereqs: PTAC 1302, TSI Math - 343 | Introduction to Physical Fitness & Sport | Recommended  
Internship  
PTEC 180/300 Hrs. Plant Experience  
Requirements directed by Industry |
| **All course substitutions must be approved by the VP of Instruction.**  |  |  |  |  |

* These are the 8 Core courses identified by the North American Process Technology Alliance.

¹ - **Prerequisites for all courses MUST be satisfied.**

# - This course is an elective that requires pre-testing, interview and selection by industry personnel only.

! - Students having taken PTAC 1352 or PTAC 1332 must take the PTAC 1432 Instrumentation I (currently change to PTAC 1332-2015) Course in place of the PTAC 2436 course.

The PTAC 1432 course was implemented in fall 2006 and combines the Instrumentation I and Instrumentation II courses. The student is still responsible for completing the total credit hours for the degree program.

• - General education and core class prerequisites apply. Complete prerequisite information can be found in the class descriptions in the college catalog.

1 - All courses must be completed with a "C" or better.

**NOTES:** (1) All current catalog prerequisites MUST be followed. The prerequisites for older catalogs will not be honored. (2) This degree grid is for informational purposes only and does not constitute a contract. Students must meet all requirements of the college catalog in order to qualify for graduation. Catalogs expire and cannot be used for graduation after 5 years.