TOPS University Associate of Applied Science: Process Technology

Postsecondary Partner: River Parishes Community College

Overview

The Process Technology (PTEC) program at RPCC is a 60-credit hour program that prepares individuals to become refinery, chemical, and other industry related operators. The curriculum leading to the Process Technology Associate of Applied Science (AAS) degree was developed in collaboration with local industry. It is a rigorous study of the common operating processes found in industrial plants that will prepare students for high skill, high wage jobs needed in the manufacturing industry. Upon graduation from the program, students are prepared to enter the employment market as entry-level process operators.

Capstone Credentials

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
	-Certificate of Technical Studies: Process Technology Support	-Technical Diploma: Process Technology	-Associate of Applied Science: Process Technology

**Core Academic Course*
***Jump Start CTE Course*

Grade 9	
Semester 1	**Semester 2**
*English I 120331	*English II 120332
*Algebra I 160321	*Geometry 160323
*Civics 220501/220504	*Biology I 150301
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500

Grade 10	
Semester 1	**Semester 2**
*Algebra II 160322	*English III 120333
*U.S. History 220403	*TOPS Core Art TBD by course selected
*Environmental Science 150310	*World History 220401 or World Geography 220300
*Foreign Language I	*Foreign Language II

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		**Semester 2**	
Postsecondary Course	**LDOE Course/Code**	**Postsecondary Course**	**LDOE Course/Code**
**Intro to Computer Technology CSCI 1010	**DE Intro to Business Computer Applications 040401	**Process Instrumentation PTEC 1330/Lab PTEC 1331	**DE Process Instrumentation I 110915
*College Algebra MATH 1100	*Algebra III: DE-CMAT 1213 College Algebra 160500	**Plant Equipment PTEC 1630/Lab PTEC 1631	**DE Process Technology I: Equipment 110922
**Intro to Process Technology PTEC 1010	**DE Process Technician I 110911	**Business & Professional Communication ENGL 2300 or BUSN 2300	*DE Business Communications 125030
**Plant Safety, Health & Environment PTEC 2030	**DE Industrial & Plant Safety 311921	*Physical Science PHSC 1010/Lab PHSC 1010L or Physics PHYS 2010/Lab PHYS 2010L	*Physical Science: DE – CPHY 1023 Physical Science I 150915 or Physics: DE – CPHY 2114 Physics I (Lecture and Lab) 150727
*English Composition I ENGL 1010	*English IV: DE-CENL 1013 English Composition I 120606		

Grade 12			
Semester 1		**Semester 2**	
Postsecondary Course	**LDOE Course/Code**	**Postsecondary Course**	**LDOE Course/Code**
**Statistical Quality Control PTEC 2070	**TBD	*Economics (Micro or Macro) ECON 2010 or ECON 2020	*Economics: DE-CECN 2213 Macroeconomics 220608 or CECN 2223 Microeconomics 220609
**Process Systems PTEC 2420/Lab PTEC 2421	**DE Process Technology II: Unit Systems 110923	**Troubleshooting PTEC 2440	**TBD
**Fluid Mechanics PTEC 2630	**DE Fluid Mechanics 110331	**Unit Operations PTEC 2430/Lab PTEC 2431	**DE Process Technology III: Operations/110924
*Chemistry CHEM 1010/Lab CHEM 1010L	*Chemistry I: DE-CCEM 1103 Chemistry I 150414	**Internship (Campus/Independent) PTEC 2911/2912	**TBD
**Techniques of Speech SPCH 1200	**DE Speech I 051101		

This pathway framework is an outline of how the approved courses can be implemented. Schools may opt to rearrange the order of course sequencing in order to meet local scheduling requirements. Additionally, Fast Forward pathways are dynamic and the Jump Start Review Panel will consider course equivalents on an as needed basis.