



Process Plant Technology

Program Certificate

Degree Plan 2015-2016

Prescribed Technical Program Total	53
General Education Total	4
Total Degree Credits	57

Semester I

Prescribed Technical Program Requirements

ENRT	101	Introduction to Energy Technology	4
ENRT	105	Safety, Health & Environment	3
ENRT	107	Mechanical Fundamentals	2
ENRT	110	Plant Equipment & Systems	4
Total Credits			13

Semester II

Prescribed Technical Program Requirements

ENRT	112	Print Reading	3
ENRT	103	Applied Math	3
ENRT	104	Electrical Fundamentals	3
ENRT	116	Instrumentation & Control	4
Total Credits			13

Semester III

Prescribed Technical Program Requirements

ENRT	118	Heat Transfer, Fluid Flow & Thermodynamics	3
ENRT	120	Water Purification & Treatment	3
ENRT	205	Steam Generation	3
ENRT	215	Operations, Troubleshooting & Communications	3
Total Credits			12

Semester IV

Prescribed Technical Program Requirements

PROP	235	Hydrocarbon Chemistry	3
PROP	237	Distillation & Refinery Operations	4
PROP	239	Gas Processing	3
PROP	244	Ethanol & Biofuels Production	3
ENRT	220	Practical Applications	2
Total Credits			15

General Education Requirements

(Select 4 credits of general education courses in 2 areas of study.)

1.	4	
2.		
Total Credits		4

_____ 3/1	BOT 170	Plant Form & Diversity/Lab	_____ 2	MATH 105	Trigonometry	_____ 3	SOC 110	Introduction to Sociology
_____ 3	* BUSN 120	Fundamentals of Business	_____ 4	MATH 107	Pre-Calculus	_____ 3	SOC 115	Social Problems
_____ 3/1	CHEM 110	Survey of Chemistry/Lab	_____ 3	* MATH 137	Applied Algebra	_____ 3	SOC 220	Family
_____ 3/1	CHEM 112	Introduction to Forensic Science/Lab	_____ 3	MATH 146	Applied Calculus I	_____ 3	SOC 221	Minority Relations
_____ 3/1	CHEM 114	Chemistry in Art/Lab	_____ 4	MATH 165	Calculus I	_____ 3	SOC 235	Cultural Diversity
_____ 4/1	CHEM 115	Introductory Chemistry/Lab	_____ 4	MATH 166	Calculus II	_____ 3	SOC 251	Gerontology
_____ 4/1	CHEM 116	Intro to Organic & Biochemistry/Lab	_____ 3	* MATH 208	Discrete Mathematics	_____ 3	SOC 252	Criminology
_____ 4/1	CHEM 121	General Chemistry I/Lab	_____ 3	MATH 210	Elementary Statistics	_____ 3	SOC 275	American Indian Studies
_____ 4/1	CHEM 122	General Chemistry II/Lab	_____ 4	* MATH 277	Math for Elementary Teachers I	_____ 2/1 *	SOIL 210	Introduction to Soil Science/Lab
_____ 4	* CIS 164	Networking Fundamentals	_____ 3/1	MICR 202	Introductory Microbiology/Lab	_____ 4	SPAN 101	First Year Spanish I
_____ 3	CJ 201	Introduction to Criminal Justice	_____ 3	MUSC 100	Music Appreciation	_____ 4	SPAN 102	First Year Spanish II
_____ 3	COMM 110	Fundamentals of Public Speaking	_____ 1	MUSC 117	Concert Choir	_____ 4	SPAN 201	Second Year Spanish I
_____ 3	COMM 211	Oral Interpretation	_____ 1	MUSC 118	Chamber Choir	_____ 4	SPAN 202	Second Year Spanish II
_____ 3	* COMM 212	Interpersonal Communications	_____ 1	MUSC 121	String Ensemble	_____ 3	SWK 256	Development of Social Welfare
_____ 3	CSCI 101	Introduction to Computers	_____ 1	MUSC 132	Wind Ensemble	_____ 3	THEA 110	Introduction to Theatre Arts
_____ 3	CSCI 122	Beginning Visual Basic	_____ 1	MUSC 133	Woodwind Ensemble I	_____ 3	THEA 161	Acting I
_____ 4	CSCI 160	Computer Science I	_____ 1	MUSC 134	Woodwind Ensemble II	_____ 3	THEA 261	Acting II
_____ 4	CSCI 161	Computer Science II	_____ 1	MUSC 135	Brass Ensemble I			
_____ 3	ECON 105	Elements of Economics	_____ 1	MUSC 136	Brass Ensemble II			
_____ 3	ECON 201	Principles of Microeconomics	_____ 1	MUSC 137	Jazz Ensemble			
_____ 3	ECON 202	Principles of Macroeconomics	_____ 1	* MUSC 138	Percussion Ensemble			

Transfer Course

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Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC), as well as Math 102, are pre-college courses indicate the need for college preparation work before enrollment in college level courses. These courses will not carry honor points or earned credit and will not count toward the student's degree program.

_____ Gr.	_____ Cr.	_____ Gr.	_____ Cr.	_____ Gr.	_____ Cr.
_____ 2	ASC 082	Effective Reading	_____ 2	ASC 92	Algebra Prep II
_____ 3	ASC 087	College Writing Prep	_____ 2	ASC 93	Algebra Prep III
_____ 1	ASC 088	Composition Lab	_____ 3/1	ASC 098	Basic Biology/Lab
_____ 2	ASC 91	Algebra Prep I			

Advisor: _____

Office: _____

Phone: _____

Email: _____