

Natural Gas Program Changes – Executive Overview

Changes to the program are being proposed to provide quality instruction for students in order to meet industry standards and requirements.

Rational

16 Hour Certificate: Stop offering this certificate level starting fall 2013. Enrollment in this level has been zero for the past few semesters. To be better prepared for the job market, students enroll in at least the 33 hour certificate to gain sufficient knowledge for an entry level position in industry.

33 Hour Certificate: Current certificate hours will remain the same, but three courses need to have a name change (course description, outcomes and competencies will remain the same):

Current Course Name:	Proposed Course Name:
PETR 1500 Intro to Natural Gas Distribution and Transmission Technologies/Techniques	NATG 1115 Introduction to Gas Technology
PETR 1501 Intermediate Natural Gas Distribution and Transmission Technologies/Techniques	NATG 1120 Intermediate Gas Technology
PETR 1508 Gas Regulators Operations and Maintenance	NATG 1145 Gas Regulators

Change to AAS Natural Gas Distribution & Transmission Degree: The above courses will also change the “required” courses for this degree. In addition, a new course “NATG 1170 Natural Gas Flow Measurement and Control” (4 hours) will be added to the required list of courses. This will change the major requirements hours from 30 to 34.

This change will then make the electives go from 17 to 13 credit hours.).

We wish to change the Course Subject to NATG on the following **required** courses:

- ELEC1330 DC Circuit Fundamentals (NATG 1100)
- ELEC1332 AC Circuit Fundamentals (NATG 1105)
- PETR1505 Fundamentals of Natural Gas (NATG 1110)
- PETR1460 Basic Corrosion Field Technician (NATG 1135)
- ELTR1100 Electrical Devices & Controls I (NATG 1125)
- ELTR1105 Intro to Programmable Logic Controllers (NATG 1150)
- PETR1510 Trenching and Excavation Practices (NATG 1160)

Also to the following **elective** courses:

- ELTR1107 Advanced Programmable Logic Controllers (NATG 1155)
- PETR1515 Natural Gas Technician Internship (NATG 1165)
- ELTR1102 Electrical Devices and Controls II (NATG 1130)
- CHEM 1818 Basic Corrosion (NACE Seminar) (NATG 1140)

We wish to change the offering for Oral Communications to read:

COMM 1200 Interpersonal Communications OR COMM 1230 Public Speaking

We wish to change the offering for Mathematics to read:

MATH 1806 Technical Mathematics OR MATH 1828 College Algebra

We also wish to take the following classes off the list of electives:

- PETR 1461-Intermediate Corrosion Field Tech Level II
- All of the MEAS courses will be deleted from the elective area (MEAS1100-Common Technical Skills, MEAS1101-Gas Industry Concepts, MEAS1102-Instrumentation and Controls, MEAS1103-Gas Quality Analysis, MEAS1104-Flow Measurement and MEAS1105-Pressure and Volume Control
- Listing of “Any HazMat Course”

We wish to add the following classes to the list of electives:

- PHED 1229 Scuba Diving (3 hours)
- BSTC 1786 Customer Service (3 hours)
- PSYC 1000 General Psychology
- ECON 1610 Principles of Macroeconomics
- ECON 1615 Personal Finance
- HLTH 1248 Personal & Community Health
- LIFE 1413 Environmental Science
- PHSC 1400 Physical Science
- ACCT 1602 General Accounting
- BUSI 1600 Introduction to Business
- OFTC 1600 Beginning Keyboarding
- HZMT 1914 OSHA General Industry Reg
- HZMT 1917 Dept of Transportation Regs

This program will not be offered online at this time.
Implementation Date: Fall 2013

Revised Curriculum Guides are attached.