

PETROLEUM TECHNOLOGY

AUTOMATION CERTIFICATE DEGREE PLAN

The automation certificate program is designed to prepare the student for employment as a technician in an industrial environment that uses automated assembly or processing equipment. Students are provided with knowledge and experiences in the areas of analog and digital electronics and fluid power. The program also provides individuals currently employed as maintenance personnel an opportunity to update their technical knowledge and skills with training and experiences using state-of-the-art high technology equipment.

FRESHMAN YEAR - FALL

COURSE SECTION	COURSE TITLE	CREDIT HOURS
INTC 1305	Introduction to Instrumentation	3
ELPT 1311	Basic Electrical Theory	3
ELMT 1301	Programmable Logic Controllers	3
PTRT 1324	Petroleum Instrumentation	3
ELPT 1325	National Electric Code I	3
Fall Total Credit Hours		15

FRESHMAN YEAR - SPRING

COURSE SECTION	COURSE TITLE	CREDIT HOURS
ELPT 1341	Motor Control	3
PTRT 2359	Petroleum Computer Applications	3
ELPT 1357	Industrial Wiring	
HYDR 1305	or Basic Hydraulics	3
RBTC 1309	or Pneumatics	3
ELPT 2325	National Electrical Code II	3
ELMT 2339	Advanced Programmable Logic Controllers	3
Spring Total Credit Hours		15
Program Total Credit Hours		