

PETROLEUM TECHNOLOGY

AUTOMATION CERTIFICATE COMPLETION 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 Electrical 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 OR HYDR 1305 OR RBTC 1309 | Industrial Wiring OR Basic Hydraulics 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 | | 30 |

Navarro College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate and baccalaureate degrees. Navarro College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Navarro College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).