Men and women working as engineering technicians complete highly technical tasks that require engineering skills and knowledge. Interdisciplinary fields of engineering are rapidly developing to address the design, operation and maintenance of products that require a working knowledge of both mechanical and electronic components.

Mechatronic technicians are required to work on and with equipment integrating electronics, mechanics, pneumatics, hydraulics and computer controls. The engineering technology program is part of the Lone Star Energy & Manufacturing Institute, which teaches a combination of skills that prepare students to perform many different jobs in industries including petroleum-field services and automated manufacturing.

FOR MORE INFORMATION:
Steven Kahla
281-655-3788
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## Mechatronics Technician AAS Degree

**Certificate I**
- 27 Credits
- Electricity Principles OR DC/AC Circuits
- Technical Calculations OR Machine Shop Mathematics
- Print Reading for Machine Trades
- Hydraulics and Pneumatics
- Motor Controls
- Pumps, Compressors & Mechanical Drives
- Programmable Controllers
- Material Handling
- Employment Preparation

**Certificate II**
- 48 Credits
- Principles of Automatic Control
- Introduction to Physical Fitness & Wellness OR Any One Credit Hour Physical Activity Course
- Manufacturing Materials and Processes
- Industrial Electronics
- Robotic Fundamentals
- Industrial Automation
- Introduction to Communication

**AAS Degree**
- 60 Credits
- Composition & Rhetoric I
- Principles of Sociology
- College Algebra
- Principles of Sociology
- Humanities/Fine Arts

**Corporate College**
- Lean Six Sigma
- Floor-Hand Roustabout Certificate
- Corporate College Certificate II
- 48 Credits
- AAS Degree
- 60 Credits
- Certificate I
- 27 Credits

Representative career titles and job positions for this program plan include:
- **Engineering Technician**
- **Manufacturing Technician**

1Median Wage: $60,306


*Position titles vary by employer and location.

Complete your **Mechatronics Technician AAS Degree** in 2 years!

LoneStar.edu/Engineering-Technician-AAS-Automated-Manufacturing-Technician