UNIVERSIDAD TECNOLÓGICA DEL NORTE DE AGUASCALIENTES, MEXICO.
Associate Degree in: Mechatronics, Automation Area

Our careers are intended to Professionals Competences therefore the first 6 quartermesters of your career curriculum is called: Mechatronics, Automation Area.

In the second stage (the next 5 quartermesters) you'll finish your studies as: Bachelor degree in Science: Mechatronics.

JOB OPPORTUNITIES
Providing technical support to small, medium and large businesses or even creating your own company.
In the manufacturing sector developing high technology, designing and creating systems of production and automation in technology labs.
JOB POSITIONS
As a Mechatronics Engineer you could perform different positions such as: Engineer, Supervisor, Manager, Director of Manufacturing, Technology, etc.

Scholarships The UTNA has a scholarship scheme that offers great opportunities for you to study your career at the university. - Scholarship "Manutención" - Scholarship "Bécalos" - Internal Scholarship - Scholarship Food, Transport and Sport	We have 25 transportation routes for your comfort. For more distant locations.

Business Incubator
The UTNA offers students and general entrepreneurial community, a platform to boost business creation through its Business Incubator providing counseling, guidance to financial programs and diffusion in different photos.

Mechatronics in automation Area.

1st Quarter	3rd Quarter	5th Quarter
• Sociocultural Studies 1 • ESL 1 • Electric Circuits	• Sociocultural Studies 3 • ESL 3 • Logical Programmable drivers	• ESL 5 • Oral & Written expression 2 • Multidiscipline 2 (integradora)

• Oral & Written expression 1 • Statistics and Dynamics Fundamentals • Information Technology • Mathematics • Production Processes	• Automation Projects Planning • Multidiscipline 1 (integradora) • Automatic control systems • Digital Systems • Mechanical systems	• Virtual Tooling • Automated Systems Integration • Visual Programming • Tooling and control micro devices
2nd Quarter • Sociocultural Studies 2 • ESL 2 • Electrical Engine control • Analogical Electronics • Dimensional Elements • Sensorial Programming Logics • Hydraulic and Pneumatic Systems	4th Quarter • Sociocultural Studies 4 • ESL 4 • Industrial Tooling • Electric Circuits Analysis • Analogical devices • Digital Systems 2 • Programming language • Automation linear systems	6th Quarter Internship

CURRICULUM
Bachelor Degree in Science: Mechatronics Engineering

7th Quarter	8th Quarter	9th Quarter
• Applied Calculus • Industrial Electricity • ESL 6 • Computer assisted design • Time Management	• Applied Differential equations • Engines Control • Mechanics for Automation • Microdevices • ESL 7 • Work Planning	• Processes Statistic Control • Automatic Control • Project Management • Mechanical Systems • Cinematic and robot control • ESL 8 • High performance teams Management
10th Quarter • Advanced Logic Control • Flexible Manufacturing Systems	11th Quarter • Internship	

• Digital Programmable devices • Multidiscipline • ESL 9 • Business Negotiation		

Eleventh Semester
Professional Practices