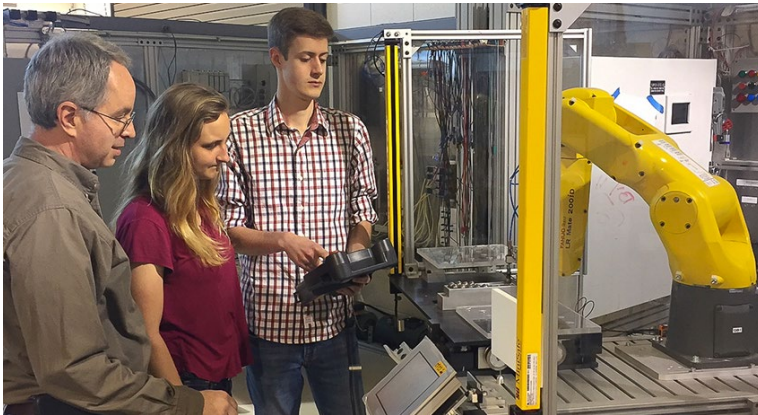


Mechatronics is the blending of engineering fields including mechanical, controls, electronic and computer engineering to automate manufacturing, distribution and complex services through multiple industries.

Work in any industry that **manufactures, moves, or manages goods and services** through automated systems. Mechatronics professionals are needed in industries including but not limited to:

- manufacturing
- distribution
- automotive
- healthcare

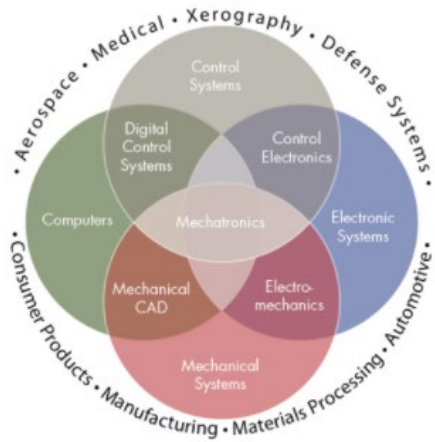


As a Mechatronics professional, you could be the expert that repairs, maintains, and designs state-of-the-art robotics and computer-aided equipment in today's fastest growing industries. Volunteer State Students in Mechatronics will be prepared to certify for Siemens Level 1 and 2. This certification is recognized both locally and internationally as a mark of superior training

| <b>Recommended Semester</b> | <b>Class</b>   |
|-----------------------------|--|
| Fall, Junior Year           | COMM 2045 - Public Speaking                            |
| Fall, Junior Year           | ENGL 1010 - English Composition I                      |
| Spring, Junior Year         | MECH 1310 - *Electrical Components                     |
| Spring, Junior Year         | MECH 1320 – Mechanical Components                      |
| Fall, Senior Year           | MECH 1330 - (Electro) Hydraulic and Pneumatic Circuits |
| Fall, Senior Year           | ENGL 1020 - English Composition II                     |
| Spring, Senior Year         | MECH 1340 - Digital Fundamentals and PLCs              |
| Spring, Senior Year         | MATH 1130 - College Algebra                            |
| Spring, Senior Year         | 1 MECH elective - ENST 1350 or ENGR 101                |

The above recommended schedule will result in successful completion of the certificate upon graduation from High School. Certificate can be completed upon high school graduation with a less intensive schedule.

# Beginning Your Career Pathway



## To Do List:

- Discuss your Vol State Mechatronics goals with your high school counselor.
- Apply to Vol State at [Apply for Admission | Volunteer State Community College \(volstate.edu\)](https://www.volstate.edu/admission)
- Apply for the TSAC Grant at [TSAC Student Portal \(tn.gov\)](https://www.tn.gov/tsac)
- Schedule a tour with Vol State at [Campus Tour | Volunteer State Community College \(volstate.edu\)](https://www.volstate.edu/campus-tour)

## Career and Salary Information

The following is a list of some of the career choices that may be obtained upon completion of this program. Please visit the following website <http://www.onetonline.org> or speak to an advisor for additional career opportunities, salary information and education requirements. Salaries are not guaranteed.

| Career  | Beginning Salary | Experienced Median Salary |
|---|------------------|---------------------------|
| Electro-Mechanical Technician   | \$32,200         | \$46,630                  |
| Electrical and Electronics Repairers, Commercial and Industrial Equipment | \$31,800         | \$55,030                  |
| Mechanical Engineering Technician   | \$30,470         | \$52,100                  |