Automotive engineering is a multi-disciplinary field, with skills that are applicable inside and outside the auto industry. The future of mobility is here, and things are changing at a rapid pace. You can be a part of that change, working to develop the next generation of mobility solutions. Professional opportunities are widespread for automotive engineers. You can work right here in South Carolina, the automotive hub of the Southeast, or work anywhere across the United States or the world. Clemson’s automotive engineering program is renowned for developing top talent, and known for being pioneers in the sector.

B.S. IN AUTOMOTIVE ENGINEERING:

1st in the U.S.

APPROX. TOTAL CREDIT HOURS:

124

AUTOMOTIVE ENGINEERING AT CLEMSON

Clemson’s Automotive Engineering Department is home to world-class faculty, state-of-the-art laboratories and facilities, an industry focused curriculum, and connections to the top employers in the automotive world.

During your first two years on main campus, our curriculum will give you a strong engineering foundation. Years three and four take place mainly at the CU-ICAR campus in Greenville, and deliver targeted, hands-on, industry-relevant courses. You’ll be ready to impact the automotive landscape on day one after graduation.

www.cuautomotive.com
A Bachelor of Science in Automotive Engineering can open many doors for your career. You’ll have the option to go straight into industry, government agencies or research labs, or continue your education with our Master of Science in Automotive Engineering, or Doctor of Philosophy in Automotive Engineering.

Our curriculum is structured so that your first two years are on main campus, and your third and fourth years will take place mainly at the Clemson University International Center for Automotive Research (CU-ICAR) campus in Greenville. You are welcome to commute, or live in Greenville.

LABS AND FACILITIES FOR HANDS-ON TRAINING
- Chassis Dyno
- Anechoic Chamber
- Environmental Chamber
- Four Post Shaker
- Full Size and Single Cell Engine Dynos
- Battery Lab
- AVX Lab — Home of Deep Orange
- Clemson Composites Center
- Clemson Vehicle Assembly Center

EMPHASIS AREAS
- Vehicle Autonomy and Electronics
- Advanced Powertrains and Drivelines
- Manufacturing and Materials
- Vehicle Performance
- Systems Integration
- Human Factors

DESIGN PROJECT
Students in their senior year will have the opportunity to participate in a design project that mirrors the world-renowned Master’s-level "Deep Orange" program. In Deep Orange, students build a concept car from scratch in partnership with an OEM or industry sponsor. At the undergraduate level, you’ll get a taste of the entire process.

GRADUATE AND PROFESSIONAL SCHOOLS
We offer a 33 credit Master of Science in Automotive Engineering, a Doctor of Philosophy in Automotive Engineering, and a Graduate Certificate in Automotive Engineering. Undergraduate students who are sure they want to complete our M.S., are encouraged to take the B.S. to M.S. pathway, which can shorten the length of the Master’s program by up to one year (must have a 3.4 GPA to participate).

CLUBS AND ORGANIZATIONS
- Clemson Automotive Engineering Student Association
- Clemson Automotive Engineering Student Ambassador Program
- SAE International

More info at: clemson.edu/cecas/psu