### Bachelor of Aerospace Engineering

**COURSE SELECTION**

- **FRESHMAN**
  - Familiarize yourself with engineering requirements & various majors.
  - Pre-engineering required: MATH 1610 & MATH 1620 (C grade or better), CHEM 1030/1031 & PHYS 1600, COMP 1200 (Matlab preferred), ENGR 1100 & ENGR 1110
  - Maintain a good GPA, seek academic support early and often.
  - Continue to meet every semester with student services coordinator. Discuss future elective options.
  - Gateway courses: ENGR 2050, MATH 2630/2650, AERO 2200 (must make C or better in all courses)
  - Consider adding a minor.
  - Complete: AERO 4620/4630, 3130, 3610

- **SOPHOMORE**
  - Gateway courses: AERO 3110, 3120, 3130, 3610
  - Complete: AERO 4620/4630, 4710/4720, and electives
  - Schedule Graduation Credit Check with ESS advisor one semester prior to graduation.
  - Register for UNIV 4AAO ENI (the graduation list) for your final semester.
  - Maintain a good GPA, seek academic support early and often.
  - Continue to meet every semester with student services coordinator. Discuss future elective options.
  - Conclude Co-op rotation if possible.

- **JUNIOR**
  - Complete: AERO 4620/4630, 4710/4720, and electives
  - Attend the Engineering & Technology Career Fair in Fall/Spring.
  - Consider graduate school (Plan to take the GRE)
  - Get involved with undergraduate research projects and explore publication options.

- **SENIOR**
  - Maid graduate student advising.
  - Meet with student services coordinator each semester to discuss class schedule and academic plan.
  - Check out free ESS tutoring to get off to a strong start. (eng.auburn.edu/current-students)
  - Update resume and cover letter.
  - Contact Engineering Career Connections in Fall/Spring. (auburn.edu/career)
  - Consider adding a minor.
  - Maintain a good GPA, seek academic support early and often.
  - Continue to meet every semester with student services coordinator. Discuss future elective options.
  - Conclude Co-op rotation if possible.

**ASK FOR ASSISTANCE**

- Meet with student services coordinator each semester to discuss class schedule and academic plan.
- Check out free ESS tutoring to get off to a strong start. (eng.auburn.edu/current-students)
- Academic Support provides several free resources to improve performance including Study Partners, Supplemental Instruction and academic coaching. (auburn.edu/academicsupport)
- Visit Engineering Career Connections (1210 Shelby) & the University Career Center to help build a resume, find out about internships, and on-campus recruiting activities.
- Work with staff in Engineering Career Connections and/or University Career Center to explore company options, receive individualized assistance, and update your resume and cover letter.
- Update resume and cover letter. Continue developing interview skills. (see Career Center for mock interviews)
- Meet with Student Services Coordinator and Graduate Program Officer to learn about graduate school opportunities.

**GAIN EXPERIENCE**

- Explore Co-op opportunity (Co-op orientation is 1st 3 weeks each semester)
- Attend Internship & Part-Time Job Fair in Fall/Spring. (auburn.edu/career)
- Use Handshake to explore employers actively hiring in your field and search part-time jobs that can add experience to your resume.
- Intern and/or participate in Co-op to add valuable work experience to your resume.
- You may pursue internships in any engineering field.
- Explore options for Study Abroad.
- Attend the Engineering & Technology Career Fair in Fall/Spring.
- Consider graduate school (Plan to take the GRE)
- Get involved with undergraduate research projects and explore publication options.

**GET INVOLVED**

- Check out AU Involve (auburn.edu/auinvolve) to identify organizations of interest.
- Check out Aerospace Engineering opportunities like The American Institute of Aeronautics and Astronautics (AIAA), University Student Launch Initiative (USLI) and Design/Build/Fly (DBF) competition teams, Auburn University Rocketry Association (AURA), Club Europa, and others. (eng.auburn.edu/current-students)
- Join an organization & attend meetings to develop your interests, build social connections, and enhance your resume.
- Continue to participate in competition teams to expand experience and develop leadership skills.
- Pursue leadership roles in Engineering and University-wide organizations to gain experience and enhance your resume.
- Become team leaders and project managers.
- Become involved with departmental alumni as a resource for job opportunities, internships and post-graduate work.

**Career Planning**

- **University Career Center**
  
  303 Mary Martin Hall | career.auburn.edu

  The program prepares students for entry into a variety of positions. Like all engineering fields, critical thinking and problem solving ability are to being successful. Aerospace engineers are especially concerned with aerodynamics, propulsion, dynamics, and a variety of challenges associated with flight both in and beyond the atmosphere.

**University Career Center**

303 Mary Martin Hall
Career Planning
University Career Center

**Engineers in Leadership - various**

- Minimum Education: B.A.E.
- Entry Level Salary Range: $63.0K - $108.3K

**Missile Systems Engineer**

- Minimum Education: B.A.E.
- Entry Level Salary Range: $85.5K - $124.4K

**Aerodynamics Engineer**

- Minimum Education: B.A.E.
- Entry Level Salary Range: $60.0K - $83.9K

These are just three options out of many that aerospace engineering majors pursue. For more career options be sure to check out “What Can I Do With a Major In...” on auburn.edu/career.