



ENGINEERING EXPLORATION CHECKLIST

Prepare. Apply. Achieve!



SO YOU WANT TO BE AN ENGINEER?

You are interested in learning about engineering programs: Congratulations! Now let's get to work on exploring so many options available to you.

DIRECTIONS

1. Do not fall trap into researching *general admissions* statistics for a college then comparing yourself to their admitted students. As an *engineering applicant*, you are in a league of your own!
 - a. The American Society for Engineering Education provides a valuable resource on college admissions statistics for engineering programs (**SPECIFICALLY!**). Visit <http://profiles.asee.org/> enter your college of research in '**SEARCH FOR SCHOOL**', then on the left select '**NEW APPLICANTS**'. Be advised of this engineering admissions data.
2. Below is a list of questions crowdsourced from consultants across the country. These questions are best asked during a college visit, college fair or you can incorporate a few on your College Connect form. There is no better time than **NOW** to start learning about the right college fit.
3. Please include this document in your College Folder.

ADMISSIONS/PREREQUISITES/PROFILE INFO

1. Is the engineering program direct admit?
 - a.
2. What level of math should competitive applicants have completed in high school?
 - a.
3. Do students have to select a major when they apply and, if not, when does that need to happen?
 - a.
4. What percentage of students within the engineering program are female? Students of color? International?
 - a.
5. What is the biggest academic challenge faced by first-year students?
 - a.

6. Are certain areas within the engineering program more selective for admission than others? If yes, which ones?
 - a.
7. Aside from demonstrated academic success, what else are you seeking from your applicants?
 - a.
8. Do you offer any engineering-specific scholarships opportunities for first-year students?
 - a.

CURRICULUM/ACCREDITATION

1. Are the engineering programs ABET accredited?
 - a.
2. For students who are unsure of their specific engineering focus, what first-year exploratory options are available within the College of Engineering?
 - a.
3. What is the teaching philosophy within the engineering program? What is the ratio of theory to practice/hands-on/experiential learning?
 - a.

ADDITIONAL CAMPUS EXPERIENCES/ASSOCIATED EXTRACURRICULARS

1. How, if at all, does a semester study abroad experience fit within the engineering program?
 - a.
2. What engineering teams do you have? For example: concrete canoe, solar airplanes, Formula One, Baja, etc. Do you compete nationally/internationally? Can any major participate?
 - a.
3. Are alternative housing options offered for engineering students?
 - a.

ADVISING/FACULTY

1. How easy is it to change majors within the engineering program once enrolled?
 - a.
2. For minority and first-generation students: what support systems are in place to promote success in the engineering program?
 - a.

3. What type of academic support is available for engineering students?
 - a.
4. Is it possible to change advisors?
 - a.
5. What percentage of undergraduate faculty are full time as opposed to adjunct?
 - a.
6. What percentage of courses within the engineering program are taught by graduate assistants vs faculty?
 - a.

CO-OP/RESEARCH/PROJECTS

1. What types of projects are engineering students creating?
 - a.
2. What kind of equipment do you have available for use by engineering students?
 - a.
3. Are co-ops required?
 - a.
4. What percentage of students complete a co-op?
 - a.
5. How does the university support students in identifying co-op opportunities?
 - a.
6. Can I intern/co-op back home?
 - a.
7. What type of team projects will I be doing? When do these take place?
 - a.
8. Is there an engineering research symposium? How often?
 - a.
9. What percentage of undergraduate engineering students do research? Are there opportunities for undergrads to be included or do graduate students take precedence?
 - a.
10. Is there a capstone project that is mandatory for engineers? What are the details?
 - a.

OUTCOMES

1. What are the 4, 5 and 6-year graduation rates from the engineering program?
 - a.
2. Is there a career services/job placement office specific to the engineering program?
 - a.
3. Are there career days dedicated to the College of Engineering? Can first and second year students participate?
 - a.
4. Who are some employers that recruit engineering students from this particular institution?
 - a.
5. What was the starting salary for last year's engineering graduates? What about salaries 5 and 10 years out?
 - a.
6. Are there any notable alumni from this institution's engineering program?
 - a.

NOTES: