This page provides career and employment information for undergraduate and postgraduate students and early career Queensland engineers involved in biomedical applications. The IEEE provides comprehensive general resources that are available for its members. They include, among many, a Career Asset Manager and Navigator, Careers Webinars, Employment Strategies, and the IEEE Job Site. Most of these resources, however, are tailored to the professional engineers and the US market.

In the following, a career resources pathway is drawn that focuses on early biomedical engineering career.

Undergraduate Students

During study

Graduation

MSc/PhD?

No

Yes

- Check local postgraduate opportunities
  - Scholarships (APA/APA Industry)
  - Seek industry scholarships funded by biomedical companies
- Check overseas postgraduate opportunities:
  - Academic jobs in UK
  - Academic jobs in US
  - Academic jobs in EU
- Avoid sending SPAM letters to academics around the world.
- Target particular academics.

- Engage in professional engineering organizations:
  - IEEE
  - EMBS, QLD
- Seek early professional employment:
  - Check with your lecturer/professor for part time employment opportunity
  - Show interest in (voluntary) short summer internships with local biomedical companies.
  - Become familiar with Queensland biomedical engineering industry.
  - Have your CV/Resume always updated. Clearly indicate your goals in a Career Objective at the start of your CV.

- Job seeker priorities:
  - Updated CV/Resume
  - Clear understanding of selection criteria
  - Clear understanding of the position description (what the employer wants?)
- Local job sites:
  - Seek
  - Biomedical at CareerJet
- International job sites:
  - IEEE Job Site
  - Biomedical Engineer
  - Biomedical at ScienceAlert
  - Computer Vision at ScienceVision

Check the presentation:
“The road towards post-graduate studies”
Some notes for the students

It is important to join professional organisation such as the IEEE, Engineers Australia, and our local IEEE EMBS chapter, as early as possible. These organisations provide an excellent forum to engage in engineering community activities, opportunities to attend seminars and workshops, and a platform to learn about local biomedical industries.

Students are encouraged to show curiosity and willingness towards working on simple engineering tasks. Early employment opportunities often exist at universities. They include small research projects, writing specific software, and basic data collection and analysis. This form of employment provides some taste of what research is all about. Volunteering for a summer internship in a local biomedical company is also a good way to establish networks with industry.

Often the CV/Resume is the first point of contact. Hence, plenty of care should be given to its form and appropriateness for the particular sought position. There are numerous sites with recourses on how to write a CV. It is important to view several dozens of examples and developed an individual form that suits the person and particular job application. Consider having an executive summary (up to half of the first page) which gives the employer the chance to get a quick overview without going into details. It is a good idea to regularly update the CV even in the no-job-hunting seasons.