Professional Development Blueprint
A career preparation guide for undergraduate students in the School of Engineering and Applied Sciences

1ST YEAR
- Explore engineering clubs and attend general meetings for clubs that interest you.
- Evaluate your interests, values, and skills by taking the MyPlan assessment and meet with a Career Counselor to discuss your specific results.
- Research study abroad opportunities.
- Sign up for Engineering Small Groups for academic support in core curriculum courses.
- Participate in Saturdays of Service to serve your community and network with UB students and staff.
- Attend the spring Senior Design Expo to engage with students presenting their capstone design projects.
- Pursue a self-led hands-on tinkering project to enhance technical skills and prepare for future team projects.
- Participate in Engineers Week and check out activities like Bot Wars and Quadcopter Racing.
- Study abroad in Troyes, France during the summer semester.
- Join an engineering club during the spring semester.
- Learn about professional etiquette for writing e-mails and dressing to impress.
- Participate in a time management workshop as part of the Life and Learning series.
- Create a resume and set up a student profile on Bullsyes, an interactive job and internship resource.
- Observe the fall STEM UP job and internship fair to prepare for active participation the following year.

2ND YEAR
- Review research articles on topics of interest to become more familiar with contributors to the field and more versed in digesting academic writing.
- Observe a M3 thesis or PhD dissertation defense presentation.
- Attend the Celebration of Academic Excellence to explore research and creative works by UB peers.
- Explore entrepreneurship resources like Blackstone LaunchPad.
- Participate in a Life and Learning networking workshop.
- Register for REALS, a professional networking and shadowing opportunity in the Buffalo or NYC regions.
- Research professional technical societies related to your discipline and carry out informational interviews with members of the organizations to learn more.
- Participate in engineering intramurals, short-term extracurricular projects completed in small groups.
- Engage in a leadership or communication workshop as part of the Life and Learning series.
- Apply for research opportunities through PER and CURS.
- Run for an executive board position in an engineering club for junior year.
- Find an internship or co-op by participating in the STEM UP job and internship fair in the fall.

3RD YEAR
- Explore graduate schools and faculty research initiatives to prepare for campus visits and prepare for GRE, LSAT, or MCAT exams if necessary.
- Attend research seminars to keep abreast of current research in your discipline.
- Attend the spring Graduate Research Poster Competition.
- Research requirements for careers of interest and identify opportunities to fill skills gaps.
- Develop a relationship with a faculty advisor.
- Identify and meet a career mentor through the UB Career Connector Network.
- Join a technical society related to your discipline.
- Participate in a CURS research project at UB or spend the summer participating in Research Experiences for Undergraduates (REU).
- Run for the President or Director of an engineering club for your senior year.
- Find and pursue an internship or co-op through STEM UP Bullseye. Indeed etc.
- Polish your interviewing skills by doing a practice interview session with Career Services.
- Update your resume as you master new skills, projects, and experiences.
- Learn about the requirements for Professional Engineer (PE) License.

4TH OR FINAL YEAR
- Explore considerations such as the cost of living, job market, and average salary in geographic areas of interest as you apply for jobs or graduate schools.
- Attend technical society meetings to network with professionals in your field.
- Join groups on LinkedIn reflecting specific careers or topics of interest within your discipline.
- After graduation, stay in touch with UB through UB Connect and the Engineering Alumni LinkedIn group.
- Continue internships or find a student assistant/grade position.
- Continueto contribute to student clubs and other organizations, taking on an increasing level of responsibility.
- Search for job opportunities by engaging with employers at the fall STEM UP job and internship fair.
- Apply to graduate schools and/or graduate fellowships.
- Attend a UB salary negotiation workshop.
- Register to take the Fundamentals of Engineering Exam.
- Complete the First Destination Survey in the spring.