

03/29/2022

RE: Undergraduate Updates

Dear BME Undergraduates,

I hope everyone had a nice Spring Break and is doing well as we head into the final stretch of the semester! I had wanted to express happiness over the warm weather, but it seems that NJ has jokes...



Anyway 😊...please see below for some important updates.

FALL 2022 SEMESTER

Registration begins April 4th!

A reminder to Rising Juniors (**Sophomores**): Please be mindful of your *Junior-level* requirements. Labs are only offered once a year (Devices/Systems lab and accompanying class in the fall, Measurements Lab in the spring), and classes are paired so that you can take both during Junior year. For example, in the fall of 2022, Transport and Kinetics/Thermo are offered during the same time slot. So, if you register for Transport in the fall, you can take Kinetics/Thermo in the spring, as *they will be paired the same way in spring 2023*. Biomaterials and Biomechanics are also paired in the fall. Biomaterials and Numerical are also being offered this summer. A suggested schedule would be:

FALL 2022	SPRING 2023
MUST take Systems and Devices Lab and Class	MUST take Measurements Lab
Transport OR Kinetics/Thermo	Transport OR Kinetics/Thermo
Biomaterials OR Biomechanics	Biomaterials OR Biomechanics
Numerical Modeling FALL OR SPRING	

While the MINIMUM requirement is to PASS 6/8 core (including the labs) in order or to register for Senior Design, this was intended as a safety net to not hold students back from graduation who may have failed a class, or did a co-op. It is **not recommended** to save Junior core to Senior year, as we cannot guarantee those classes won't overlap with Senior Design, or department electives that you may be really interested in.

Rising Seniors (**Juniors**): Several department electives (DEs) are being offered in the fall. While we do not have our spring 2023 lineup yet, we expect to offer Global Health, Intro to Prosthetics and Orthotics, and Topics in BME: Applications in Medical Devices.

Graduate 3-credit courses can be taken for DEs PROVIDED you have a minimum GPA of 3.0 by the beginning of the fall semester and have secured permission from the instructor. Information on the available graduate courses can be found in the Graduate Handbook on the BME website. You must contact the graduate administrator, Mr. Lawrence Stromberg, for the SPN (les42@soe.rutgers.edu). Please forward him the email with permission for the instructor, and please be patient as you wait for a response. Several students request these courses, and all GPAs must be verified first.

Important: Mr. Stromberg will begin giving out SPN's for approved 16:125 classes AFTER Commencement. Please do not email him for a SPN before May 15, 2022.

A reminder to **ALL STUDENTS** that summer internships, co-ops and research can count towards your technical elective credits! Please refer to the BME Handbook for guidelines. There is a form that must be filled out PRIOR to starting your job/research so the experience can be approved. Forms for research, internship and co-op credit can be found (in the BME Handbook!

ADVISING

A reminder that ALL students have an assigned BME faculty advisor. It is strongly encouraged to meet with your advisors, especially at registration, to ensure you are on track. Advisors are also great as a first point of contact for any questions you may have. If advisors don't have the answers, they will point you in the right direction. Advisors are assigned during sophomore year, and remain your advisor throughout your time in BME, so it's a great opportunity to build a strong connection and have someone in the department who is familiar with your journey in BME.

COMBINED DEGREE PROGRAM

BME offers Rising Seniors (**Juniors**) the option to apply to the BME Combined Degree Program (BME-CDP). This program allows you to start taking graduate courses for the Master's degree (Masters of Engineering-ME or Masters of Science-MS) while finishing your senior year. Information of the combined program can be found on page 37 of the undergraduate handbook: <https://bme.rutgers.edu/sites/default/files/uploads/Handbook.pdf>
Information on how to apply to the CDP will be sent out on/about April 15th by Mr. Lawrence Stromberg, who can be reached at les42@soe.rutgers.edu with any questions.

SENIOR DESIGN

Senior design is a final, year-long capstone project and lecture required to graduate with your BME B.S. degree. Independent projects are conducted in teams with faculty supervision. The department is currently collecting projects from faculty and collaborators to distribute to the class. The projects will cover all BME disciplines and will be advised through faculty research labs, industrial partners, and local clinical collaborators. We anticipate releasing a spreadsheet of projects to the Junior Class shortly. Students will then have two weeks to develop a ranked list of projects. During this two-week period, students may reach out to project supervisors for more information. Teams will be assigned by the department and released towards the end of the semester. Dr. Sy will be coordinating the process. Please stay tuned for announcements in the Junior Core Classes. If you anticipate taking Senior Design next year and are not currently enrolled in the core classes, please reach out to Dr. Sy to be added to updates.



FULL-TIME JOBS (I'm looking at you, Seniors!)

Bayer is hiring an Associate Process Engineer! Apply here: <https://career.bayer.us/en/job/associate-process-engineer--SF585601>

J&J is hiring a Manufacturing Operator for CAR-T: <https://go.rutgers.edu/vs1eez19>

Resilience is hiring on a rolling basis. Check back frequently for updates! <https://resilience.com/biopharma-careers/>

UPCOMING CLUB EVENTS

AEMB, BMES, and BESS will be hosting a **BME BBQ on April 1st from 1-3pm** outside the BME building. No April Fools here, just some burgers, hot dogs, veggie burgers, music and games! All are invited to this fun social event!

The Engineering Governing Council (EGC) is hosting its annual **Engineering Formal on April 22nd from 7 to 10 PM** at Perle Night Club (13 Paterson St, New Brunswick, NJ 08901)

Price of ticket: \$30 (covers the cost of entry, appetizers, dinner and non-alcoholic drinks)

The formal is open to all current Rutgers School of Engineering students. Guests (non-School of Engineering/Rutgers) are permitted only if they are escorted by a current Rutgers School of Engineering student.

To purchase a ticket, please use this link: tinyurl.com/egc-formal

Additionally, RUSA and Engineering Governing Council elections are live. Students will be sent additional emails with the election link and are strongly encouraged to vote!

SAVE THE DATES!

The **SENIOR DESIGN CONFERENCE** will be on Tuesday, April 26th

RUTGERS DAY is back on Saturday, April 30th

SOE GRADUATION will be Friday, May 13th

MEET YOUR UNDERGRADUATE DIRECTOR:

If you wish to speak with me, please do not hesitate to email me and set up an appointment at your convenience!

kristen.labazzo@rutgers.edu

Enjoy the rest of the semester!

Regards,