What is Changing Because of COVID-19?

• Scheduling for summer and fall 2020 is proceeding as originally planned – please tell your friends if they are not aware!

• Course substitution forms: Download the form at https://www.eme.psu.edu/undergraduate/undergraduate-advising/petitions-and-requests-exceptions, fill it out (signatures are still required but electronic signatures are OK) and email it to your academic advisor.

• Students still have access to their academic advisor and the Ryan Center advisors via Zoom or email.

• If you need to schedule an appointment with an advisor at the Ryan Center, please follow the instructions here: https://www.ems.psu.edu/undergraduate/academic-advising.
EBF Course Schedules and Prerequisites

• Use the course offerings sheet to check prerequisites, schedules, and controls for courses for the major.

• Information in LionPATH about which semester a class is usually offered is often inaccurate. Use the course offerings sheet instead.

• EBF 200, EBF 301, and statistics are prerequisites for most 400-level EBF courses.

• EBF 401 will be offered in spring semesters only from now on.

• EBF 473 will be offered in fall semesters only from now on.

Students may be dropped from courses if they enroll without meeting prerequisites. Make sure you meet all prereqs before scheduling a course!
Changes in Prerequisites of EBF courses
(effective in spring 2021)

**EBF 304**
- **New Prerequisites:** EBF 200 and EME 460 and (STAT 401 or EBF 472 or ECON 306)
- **Old Prerequisites:** EBF 200

**EBF 473**
- **New Prerequisites:** EBF 200 and (MATH 111 or MATH 141) and (EBF 472 or STAT 200 or STAT 401 or ECON 106 or SCM 200)
- **Old Prerequisites:** MATH 140; (ECON 102 and MATH 230) or (EBF 200 and EBF 301); (EBF 472 or STAT 301 or STAT 401)

**EBF 483**
- **New Prerequisites:** EBF 200 and MATH 140 and EBF 301 and (EBF 472 or STAT 200 or STAT 401 or ECON 106 or SCM 200)
- **Old Prerequisites:** MATH 140; and (ECON 102 and MATH 230) or (EBF 200 and EBF 301); and (EBF 472 or STAT 200 or STAT 301 or STAT 401)

**EBF 484**
- **New Prerequisites:** (MATH 110 or MATH 140) and EBF 200 and EBF 301 and (ECON 302 or MATH 250 or MATH 251)
- **Old Prerequisites:** (ECON 102 and MATH 230) or (EBF 200 and EBF 301); and (MATH 110 or MATH 140); and (EBF 472 OR STAT 200 OR STAT 301 OR STAT 401)
Changes in Prerequisites of EBF courses (minor ones)

EBF 200

- New Prerequisites: ECON 102 or (MATH 22 or MATH 26 or MATH 40 or MATH 41 or MATH 140 or placement beyond MATH 22)
- Old Prerequisites: ECON 102 and MATH 022 or equivalent

EBF 401

- New Prerequisites: EBF 200 and EBF 301 and EME 460 and (EBF 472 or STAT 200 or STAT 401 or ECON 106 or SCM 200)
- Old Prerequisites: EBF 200 and EBF 301 and EME 460; EBF 472 or STAT 200 or STAT 301 or STAT 401 (Junior or Senior standing)

EBF 402

- New Prerequisites: BLAW 243 or BA 242 or BA 243
- Old Prerequisites: BLAW243
Prerequisites in College of Science and Smeal

• College of Science and Smeal enforce prerequisites at the time students register. You will not be able to schedule classes like Math 141 and Stat 401 and RM 302 if you do not meet the prereqs.

• Stat 401 is a prerequisite to most of the 400-level EBF classes. Make sure to finish Math 140, then Math 141, then Stat 401 as soon as possible so that you can access the 400-level EBF courses.

• The prereqs for EBF courses are not currently enforced at the time of registration, but course instructors will check students’ prereqs and you may be dropped later if you do not meet them.
EBF 401 Offered in Spring ONLY From Now On

• EBF 401 will be offered in Spring semesters only from now on.

• The EBF program will allow FIN 301 or 305 offered by Smeal to substitute for EBF 401, but EBF students should realize that they can enter these Smeal classes only during the summer, and they will need to have all of the prerequisites (especially a statistics class).

• World Campus also offers FIN 301 and allows UP students to enroll during the first week of term (normal drop/add period) if students meet the course prerequisites and if there are available slots (but the class is often full at that point).
EBF 473 Offered in Fall ONLY From Now On

• In-residence EBF 473 will be offered in fall semesters only from now on.

• EBF 473 will also be offered online in summer, but we may cancel it if the enrollment is low.

• Make sure that you will meet the prerequisites for EBF 473, including statistics, before you plan to take it. If you intend to graduate in Spring 2021, you will need to finish the prerequisites for EBF 473 no later than Summer 2020 so that you can take EBF 473 in Fall 2020.
EBF 304W Offered in Fall 2020 and Two EBF 497 Sections Offered in Spring 2021

Fall 2010: EBF 304W

Spring 2021: Two EBF 497 courses

• They can be used in place of EBF 304 and for your "Writing Across the Curriculum" requirement.

• EBF 497 section 1: Energy Crisis Leadership, with Dr. Kleit.

• EBF 497 section 2: Engagement course: Energy in Puerto Rico, with Dr. Kleit (12 seats, involving one week of travel to Puerto Rico)
What Should Students Take?

Take ECON 302, EBF 200, EBF 301, EME 460 and STAT 401 as soon as possible

Next Steps? Time to take BLAW 243, CMPSC 101, ECON 104, ACCTG 211

Getting Close to Graduation? Take EBF 304, EBF 401, EBF 473, EBF 483/484, IB 303, RM 302, 400-level elective
Introductory Electives (100-Level Electives)

• The official list from the Bulletin is below.
• Any GN course offered by EMS can be used to fill this requirement (need a course substitution form for a class not listed in the Bulletin)
• CHEM 110, PHYS 211, PHYS 250 are also in the Bulletin.
• CHEM 112, PHYS 212, and PHYS 251 can also be used (need a course substitution form).

GENERAL OPTION: (24–36 credits)

ADDITIONAL COURSES (9–10 credits)
Environmental Courses

• Also referred to as “400-level electives” or “advanced electives.”

• A list is on the degree audit.

• More options are listed in the Insider’s Guide – a petition will be needed to have courses not listed on the audit count there, but advisors will approve petitions for courses listed in the Insider’s Guide.

• Note that many have prerequisites.

• Generally speaking, courses related to EBF (technical courses in energy and environment, math/statistical/econometric courses, economics and finance courses on firms and industry, data analytics and programming, etc.) are allowed for this 400-level elective.
Courses at Smeal

• ACCTG 211:

Students should take in Spring. For sections in Fall, the remaining seats are not open to EBF until the week before classes start.

• RM 302:

Students should take in Fall, because several sections are offered in Fall, but only one is offered in Spring by Smeal
Want to Know About Summer Classes?

• EBF publishes a list of summer classes every year in January or February, after the summer schedule is released. Look for it on the EBF web site.

• Currently planned (but not guaranteed) summer options:
  - EBF 200
  - EME 460
  - EBF 483
  - EBF 473
  - IB 303
  - FIN 301 (substitute for EBF 401)
  - FIN 305W (substitute for EBF 401 or EBF 304)
  - Natural Science Courses (100 Level GN Electives, many options)
  - Environmental Courses (400 Level Electives, several options)
  - Math, statistics, accounting

• Note: EBF summer courses and EME 460 could be cancelled if the enrollment is low.
3-6-9 General Education Option

- 3 or 6 credits of GA
- 3 or 6 credits of GH
- 9 credits of GS (ECON 102, 104, 302)

- Want to do the 3-6-9 option? You’ll need to meet with an advisor in the Ryan Family Student Center to make your request. For the time being, instructions on setting up such a meeting can be found here: https://www.ems.psu.edu/undergraduate/academic-advising.

- If you do the 3-6-9 option (using ECON 102, 104 and 302), you will need an additional 3 credits of elective to reach the 120-credit graduation requirement.
Want to Know About Minor Choices?

• Minors that may be used to satisfy the EBF General Option minor requirement:
  
  ➢ Any minor offered by EMS, except EBF and Environmental Inquiry
  ➢ Any foreign language
  ➢ Civic and Community Engagement, Entrepreneurship and Innovation, Environmental Resource Management, Math, Statistics, Supply Chain and Information Sciences and Technology (SCIST), Sustainability Leadership, Watersheds and Water Resources
  ➢ Most hard science or engineering minors will be approved, but check with the EBF program chair in advance to confirm that a specific hard science or engineering minor you are considering will be accepted
  ➢ You can also take any concurrent major instead of a minor, as long as EBF students are accepted into the concurrent major.
Tips for Minors

• Start planning for your minor early. The Bulletin lists course requirements for each minor and an advising contact.

• Many minors include courses that are prerequisites to each other or may only be offered once a year.

• IST minor is not recommended: it is difficult to finish as it is difficult for students to be enrolled in its courses.

• The program chair will not waive the minor requirement because of difficulty accessing or scheduling classes. PLAN EARLY and discuss course offerings and prerequisites with the advisor for the minor.
Entrepreneurship and Innovation Minor (ENTI)

• Many EBF students are attracted to the ENTI minor, but the New Ventures cluster is becoming over-subscribed.
• Seats in New Ventures cluster courses may be limited in the future.
• EBF students interested in the ENTI minor should seriously consider an alternative cluster. Good alternatives are:
  • Entrepreneurship as Advocacy
  • Food and Bio Innovation
  • Social Entrepreneurship
  • Technology Based Entrepreneurship
Supply Chain and Information Systems Minor (SC-IST)

- Many EBF students are attracted to the SCIST minor, but we have started to notice controls on some required courses for the minor.
- IST 210 and IST 220 currently have controls that will prevent EBF students from enrolling for Fall 2020 even if you are in the SCIST minor. The controls indicate that students in the SCIST minor will be permitted to enroll on August 24. (See picture at right.)
Want to Know About the Study Abroad Option?

• Start planning early!

• Study abroad generally needs to be planned at least one year in advance.

• Begin by reading the EBF Study Abroad Guide on the EBF website.

• Study abroad options include some classes that can substitute for required classes for the major, so plan ahead which classes you will take while abroad.
Important Notes for Your Study Abroad

• Before you apply, you must meet with the EBF program chair to discuss your plan and get it (including course lists) approved and documented.

• You must contact the EBF program chair if you need to take different courses when you are abroad and get the changes approved before you take the courses.

• If you don’t meet with the EBF program chair before you apply OR don’t take the agreed-on courses while abroad, the study abroad might not be approved in which case you’d need to do a minor/concurrent major in order to graduate.
Want to Have a Concurrent Major?

• You can use any concurrent major, instead of a minor, to meet EBF General Option requirements.

• To enroll in a concurrent major you:
  1. Meet with your EBF program chair and ask for approval to take a concurrent major.
  2. Meet with the advisor(s) for the second (concurrent) major to discuss your plans and ask for their approval.
  3. Add the major using Update Academics on LionPATH.

Note that admission into a concurrent major is not automatic. Admission must be approved by both departments/programs.
Scheduling Tips

• Schedule on your assigned scheduling date.
• Look for alternative sections if the one you put in your shopping cart is full.
• Put yourself on the waitlist right away for classes that are full.
• Use the swap function in LionPATH.
• If you don’t meet controls for a class, check whether there are different controls on other sections.
Helpful Documents, at:
www.eme.psu.edu/ebf

• The EBF Insider’s Guides
• Summer courses for EBF students
• EBF check sheets (and how to use them)
• Study Abroad Guide for EBF students
• Check the bulletin board outside 115 Hosler for more information!
Students in EBF Energy Land Management

- The EBF program will no longer be teaching EBF 410 and 411

- Instead of EBF 410, take PNG 301. PNG 301 is offered each spring semester as an online class. PNG 301 has PHYS 211 or 250 as a prerequisite. Although GEOSC 1 is listed as a prerequisite or concurrent, the PNGE program does not plan to enforce that.

- Instead of EBF 411, take one of the following:
  - GEOSC 454 – has a GEOSC 1 prerequisite.
  - GEOG 464 – has a GEOG 364 prerequisite.
  - GEOG 465 – has a GEOG 363 prerequisite.
  - GEOG 485 – prerequisite is permission of instructor.
  - GEOG 497A – has a GEOG 160 prerequisite.

- If you have questions about requirements for the ENLNM option, you can contact Dr. Kleit (ank1@psu.edu).