

EBF Scheduling Tips

Fall 2019

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. The prerequisites are EBF 200, EBF 301, EME 460, and statistics.

Students may be dropped from courses if they enroll without meeting prerequisites. Make sure you meet all prereqs before scheduling a course!

College of Science Prerequisites

- The College of Science enforces prerequisites at the time students register. You will not be able to schedule classes like Math 141 and Stat 401 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 you may be dropped later if you do not meet them.

Two EBF 497 Sections Offered in Spring 2020

We are offering two "special topics" courses under the course number EBF 497.

EBF 497 can be used in place of EBF 304 and for your "Writing Across the Curriculum" requirement.

- EBF 497 Section 1: Energy Market Competition with Dr. Kleit (Prereqs: Math 140 and ECON 302).
- EBF 497 Section 2: Economics of Technological Innovation and Patenting with Dr. Lei (Prereqs: MATH 140, MATH 141 and ECON 302)

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).

Change to EBF 473 Offerings

- In-residence EBF 473 will be offered in Spring 2020 and Fall 2020, but after that, in fall semesters only.
- EBF 473 will also be offered online in summer.
- 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.

What Should I Take?

Take MATH 141, EBF 200, EBF 301 and STAT 401 as soon as possible

Next Steps? Time to take EME 460, BLAW 243, CMPSC 101, ECON 104/302, ACCTG 211

Getting Close to Graduation? Take EBF 304, EBF 401, EBF 473, EBF 483/484, IB 303, RM 302, 400-level elective

Don't forget gen eds, minor classes, and ENGL 15/202!

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)

Select 6–7 credits from: CHEM 110 GN(3), EARTH 100 GN(3), EARTH 101 GN;US(3), EARTH 103 GN(3), EARTH 111 GN;US(3), EARTH 150 GN(3), EGEE 101 GN(3), EGEE 102 GN(3), EGEE 120 GS;US;IL(3), GEOG 110 GN(3), GEOG 115 GN(3), GEOSC 002 GN(3), GEOSC 010 GN(3), GEOSC 020 GN(3), GEOSC 021 GN(3), GEOSC 040 GN(3), MATSE 081 GN;IL(3), METEO 003 GN(3), METEO 101 GN(3), PHYS 211 GN(4) or PHYS 250 GN(4) (Sem: 1–4)

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.

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.
- Typical (but not guaranteed) summer options:
 - EBF 200
 - EBF 301
 - EME 460
 - EBF 483
 - EBF 473
 - IB 303
 - FIN 301 (substitute for EBF 401)
 - FIN 305W (substitute for EBF 401 or EBF 304)
 - Environmental Courses (400 Level Electives)
 - Math, statistics, accounting

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. There is no longer a paper form to fill out if you are requesting a 3-6-9 or other substitution for gen ed requirements; the request is submitted electronically during your meeting with an RFSC advisor.
- 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.
- 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

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.
- Penn State's City Semester Pittsburgh program is acceptable for the General Option (<https://citysemesterpittsburgh.psu.edu/>)

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).