

# Energy Business and Finance (EBF) Major Checklist

## General Option

Name: \_\_\_\_\_ Expected Graduation: \_\_\_\_\_

This checklist is one of many resources available to keep track of your progress towards graduation. Remember the University Bulletin, Insider's Guide to EBF, What-If Report, the Ryan Family Student Center, and your department or faculty adviser are also available.

\* Indicates that the course requires a grade of C or higher

^Indicates that a course is typically offered over the summer; subject to change based on enrollment numbers

| Entrance to Major Requirements |                   |   |           |
|--------------------------------|-------------------|---|-----------|
| Course                         | Semesters Offered | Pre-Requisites  | Completed |
| ECON 102* (3)                  | all semesters     |   |           |
| MATH 140* (4)                  | all semesters     | (MATH 22 <b>and</b> MATH 26) <b>or</b> (MATH 26 <b>and</b> satisfactory performance on ALEKS) <b>or</b> (MATH 40) <b>or</b> (MATH 41) <b>or</b> satisfactory performance on ALEKS |           |
| MATH 141* (4)                  | all semesters     | MATH 140  |           |

Additional ETM requirements:

- 40-70 graded Penn State credits (excludes AP and transfer)
- Minimum cumulative grade point average (GPA) of 2.60

| Prescribed Courses Required for All Options |    |    |  |           |
|---|----|----|--|-----------|
| Course                                      | FA | SP | Pre-Requisites   | Completed |
| ACCTG 211^ (4)                              | X  | X  | MATH 21 <b>or</b> higher<br><i>Recommended that students take ACCTG 211 in the SPRING</i>  |           |
| EBF 200* (3)                                | X  | X  | ECON 102 <b>and</b> (MATH 22 <b>or</b> MATH 26 <b>or</b> MATH 40 <b>or</b> MATH 41 <b>or</b> MATH 140 <b>or</b> placement beyond MATH 22)        |           |
| EBF 301* (3)                                | X  |    |  |           |
| EBF 304W* (3)                               | X  |    | (EBF 200 <b>and</b> EME 460) <b>and</b> (STAT 401 <b>or</b> EBF 472 <b>or</b> ECON 306)  |           |
| EBF 401* (3)                                |    | X  | EBF 200 <b>and</b> EBF 301 <b>and</b> EME 460 <b>and</b> (EBF 472 <b>or</b> STAT 200 <b>or</b> STAT 401 <b>or</b> ECON 106 <b>or</b> SCM 200)    |           |
| EBF 473 (3)                                 | X  |    | EBF 200 <b>and</b> (MATH 111 <b>or</b> MATH 141) <b>and</b> (EBF 472 <b>or</b> STAT 200 <b>or</b> STAT 401 <b>or</b> ECON 106 <b>or</b> SCM 200) |           |
| ECON 104^ (3)                               | X  | X  |  |           |
| ECON 302^* (3)                              | X  | X  | ECON 102   |           |
| EME 460* (3)                                | X  | X  | Must be in EBF major   |           |
| IB 303^ (3)                                 | X  | X  | 5 <sup>th</sup> semester standing  |           |
| RM 302* (3)                                 | X  | X  | 4 <sup>th</sup> semester standing<br><i>Recommended that students take RM 302 in the FALL</i>  |           |
| STAT 401^ (3)                               |    | X  | MATH 111 <b>or</b> MATH 141  |           |

| Additional Courses Required for the Major                     |                           |               |   |           |
|---|---------------------------|---------------|---|-----------|
| Course  | FA                        | SP            | Pre-Requisites  | Completed |
| CAS 100 (3)<br>or <b>EMSC 100S</b>                            | <b>X</b>                  | <b>X</b>      |   |           |
| ENGL 15^ (3)  | X                         | X             | ENG 004 <b>or</b><br>satisfactory performance on English proficiency examination  |           |
| ENGL 202C^ (3)  | X                         | X             | ENG 15 <b>and</b> 4 <sup>th</sup> semester standing   |           |
| CMPSC 101^ (3)<br>or <b>200^, 201^</b>                        | X                         | X             | 2 entrance units in MATH<br><b>200, 201: MATH 140 <b>and</b> MATH 141 (concurrently)</b>  |           |
| BA 243 (4)<br>or <b>BLAW 243 (3)</b><br>or <b>ERM 411 (3)</b> | X<br><b>X</b><br><b>X</b> | X<br><b>X</b> | <b>BLAW 243: third semester standing</b><br><b>ERM 411: (ECON 102 <b>or</b> AGBM 101) <b>and</b> (ERM 151 <b>or</b> CED 152 <b>or</b> EBF 200 – course can be taken concurrently)</b>   |           |
| EBF 483*(3)<br>or <b>EBF 484* (3)</b>                         | X                         | <b>X</b>      | 483: EBF 200 <b>and</b> MATH 140 <b>and</b> EBF 301 <b>and</b> (EBF 472 <b>or</b> STAT 200 <b>or</b> STAT 401 <b>or</b> ECON 106 <b>or</b> SCM 200)<br>484: (MATH 110 <b>or</b> MATH 140) <b>and</b> EBF 200 <b>and</b> EBF 301 <b>and</b> (ECON 302 <b>or</b> MATH 250 <b>or</b> MATH 251) |           |
| Introductory Electives (6)                                    | Varies                    |               | <a href="#">See Suggested Academic Plan for course options.</a>   |           |
| Advanced Elective (3)   | Varies                    |               | <a href="#">See Suggested Academic Plan for course options.</a>   |           |

EBF also requires students to have an [approved minor from this list](#), a concurrent major, or a 15-credit abroad or study away program that has been approved by the program chair for EBF. If interested in a minor that is not included on the pre-approved list, approval will need to be granted by the program chair.

# Energy Business and Finance (EBF) Major Checklist General Option

| General Education Requirements                    |         |   |           |
|---|---------|---|-----------|
| Foundations                                       | Credits | Major Courses Fulfilling Requirement      | Completed |
| Quantification* (GQ)                              | 6       | MATH 140 (4); MATH 141 (4)                |           |
| Writing and Speaking* (GWS)                       | 9       | EMSC 100S (3); ENGL 15 (3); ENGL 202C (3) |           |
| Knowledge Domains                                 | Credits | Major Courses Fulfilling Requirement      | Completed |
| Arts (GA)   | 6       |   |           |
| Health and Wellness (GHW)                         | 3       |   |           |
| Humanities (GH)                                   | 6       |   |           |
| Social and Behavioral Sciences (GS)               | 6       | ECON 102 (3); ECON 104 (3)                |           |
| Natural Sciences (GN)                             | 9       |   |           |
| Integrative Studies                               | Credits | Major Courses Fulfilling Requirements     | Completed |
| Inter-Domain <b>or</b><br>Approved Linked Courses | 6       |   |           |

| University Degree Requirements |         |                                       |           |
|--------------------------------|---------|---------------------------------------|-----------|
| First Year Engagement          | Credits | Major Courses Fulfilling Requirement  | Completed |
| First-Year Seminar             | 3       | EMSC 100S (3)                         |           |
| Cultures Requirement           | Credits | Major Courses Fulfilling Requirement  | Completed |
| United States Cultures         | 3       |                                       |           |
| International Cultures         | 3       | IB 303 (3)                            |           |
| Writing Across the Curriculum  | Credits | Major Courses Fulfilling Requirements | Completed |
| Writing Across the Curriculum  | 3       | EBF 304W (3)                          |           |

**Minimum Cumulative GPA for Graduation: 2.0**

**Total Minimum Credits for Graduation: 120**

*Students will need to include additional electives in their academic plan to meet the total minimum credits for graduation.*

*Note:*

- *Do not count repeated courses more than once.*
- *Do not count credits for any course with a C requirement for which a D or lower was earned.*
- *Do not count pre-calculus math courses (anything below MATH 110) unless they were taken in a concurrent sequence based on your ALEKS score.*
- *Do not count MATH 110 if MATH 140 was also taken.*
- *Do not count CHEM 1, CHEM 101, PHYS 1, ENGL/ESL 4 or ENGL/ESL 5 in this total.*

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