

ME Department Policy for Concurrent Majors and Dual Degrees in ME and ESE

Background

From UW's Bulletin:

Concurrent Majors

Students may pursue a concurrent major in one or more colleges. Only one degree (BA, BS, etc.) will be awarded from the college of the primary major. All university curricular requirements, including the University Studies Program requirements must be met only once. Requirements for secondary major(s) will be established by the academic departments and may include college requirements, in addition to all major requirements. An academic adviser in each major is required and each adviser must review requirements. The degree will be granted on one date only and only one diploma will be awarded. Both majors will be indicated on the academic transcript and diploma.

Dual Degrees

It is possible to pursue degrees in one or more colleges. The university requirements and University Studies Program requirements must be met only once. Students must meet the all college and major requirements of both majors. Students must complete an additional 30 semester hours from the University of Wyoming, 12 of which must be in upper-division (junior/senior-level) or graduate-level courses beyond the credit hour requirement for the degree with the minimum number of credit hours required. An academic adviser in each major is required and each adviser must review requirements. Multiple degrees and multiple diplomas will be awarded; however, the completion date must be the same. Both colleges, degrees, and majors will be indicated on the academic transcript.

A key point is that only a single diploma is issued for students completing concurrent majors, so the student would be obligated to explain to potential employers what the ambiguous concurrent degree entails. There is no ambiguity with the dual degree option since two diplomas are issued.

If electives are selected for optimum overlap between ME and ESE degrees, then only 15 credit hours past the ME degree are required to complete the ESE degree, as shown below:

- 3 hrs – ATSC 2100 – Climate Change
- 4 hrs – LIFE 1010 – Biology I
- 3 hrs – PHIL 2330/2345 – Environmental or Natural Resource Ethics
- 3 hrs – ENR 4890 – Environmental Law
- 3 hrs – ENR 4000 – Problem Solving
- 3 hrs – ENR 4900 – Assessment Practice
- 6 hrs – ESE electives, chosen from a list of 7 courses
- 25 hours total

For maximum overlap between the two degrees,

- 1) ATSC 2100 and LIFE 1010 can be counted as science electives in the ME program
- 2) One 4000-level ENR course can be counted as the ME Technical Elective

Thus 10 of the 25 hours above can be earned in completing the ME degree and there is a minimum of 15 additional hours required to complete the ESE degree requirements.

Requirements for CONCURRENT ME/ESE Majors – One degree (one diploma)

The concurrent degree will require a minimum of 143 hours (ME's 128 hours plus 15 hours for the second, ESE degree). Requirements include:

1. Complete BSME degree requirement - 128 hours of specified ME coursework
2. Complete BSESE degree requirements – 129 hours of specified ESE coursework
3. Cross listed courses, e.g. ME/ESE 3360, count towards both degree programs.
Student can enroll in either the ME or ESE section of cross listed courses
4. ESE 4060/4070 should be completed rather than the ME 4060/4070. (The rationale is that the ESE sequence is a subset of the ME sequence; it is certainly appropriate for ME students to complete an energy-related design project like that required of ESE students.)
5. ENGL 2005 (WB technical writing) CANNOT be waived in ME degree program even though ESE students will complete ENR 4000 (WB).

Requirements for DUAL ME/ESE Degrees – Two Degrees (two diplomas)

The dual degree will require a minimum of 158 hours (ME's 128 hours plus 30 hours for the second, ESE degree). Requirements include:

1. Complete BSME degree requirements - 128 hours of specified ME coursework
2. Complete BSESE degree requirements – 129 hours of specified ESE coursework
3. Cross listed courses, e.g. ME/ESE 3360, count towards both degree programs.
Student can enroll in either the ME or ESE section of cross listed courses
4. ESE 4060/4070 should be completed rather than ME 4060/4070. (The rationale is that the ESE sequence is a subset of the ME sequence; it is certainly appropriate for ME students to complete an energy-related design project like that required of ESE students.)
5. ENGL 2005 (WB technical writing) CANNOT be waived in ME degree program even though ESE students will complete ENR 4000 (WB)
6. 24 hours of technical coursework beyond the ME degree requirements, which will include at a minimum, the 15 hours of non-overlapping coursework identified on the prior page. The difference between the 24 hours of technical coursework and the number of hours required to complete the ESE degree requirements shall consist of advisor-approved technical electives, usually chosen from any engineering discipline, mathematics, science, or business.
7. 6 hours of free electives beyond the ME degree requirements
8. A minimum of 3 hours from either the ESE electives or free electives must be at the 3000+ level (to meet UW's requirement for 48 upper division hours)