ESET Technical Electives

Students in the Electronic Systems Engineering Technology program are required to take two technical electives as part of their degree. These electives can be chosen as follows:

**Preapproved Technical Electives (C or better)**

- ENTC 366 – Communication Electronics
- MXET 300 – Mechatronics
- ESET 444 – Energy Management
- ESET 453 – Validation and Verification
- ESET 469 – Embedded Real Time Software Development
- ENTC 489 – Systems Integration
- ESET 452 – Electronics Testing II*
- ESET 435 – Data Communications
- ESET 456 – Embedded Sensors and IoT Systems
- MXET 375 – Applied Dynamic Systems (Previously MMET 375)
- ENTC 489 – Health Care Technologies

*ESET 452 is required for some catalogs. In these cases, it has to be taken as a required course and cannot be used for a technical elective. If ESET 452 is required by your catalog and you have not been able to satisfy it due to course capacity limitations, see an advisor prior to your final semester for possible solutions.

**Certificate and Minor Courses (C or better)**

Students pursuing a technical certificate and minor in the College of Engineering may request approval from the ESET Program Coordinator to use ONE of these courses (a technical, 3XX/4XX course from the College of Engineering) as a technical elective. However, this will only be approved IF THE STUDENT SUCCESSFULLY COMPLETES THE MINOR OR CERTIFICATE.

**Graduate Coursework (C or better)**

Students currently pursuing a BS in ESET can request approval from the ESET program coordinator for lecture-based graduate coursework taken in the College of Engineering to be used for ONE technical elective (this does not include 685 or 691 coursework).

**3XX/4XX Engineering Coursework Taken Prior to Joining ESET (C or better)**

Students who have taken technical 3XX/4XX engineering courses prior to joining the ESET program can request approval from the ESET program coordinator to use ONE of these courses as a technical elective.

Finally, students may make a formal, written request through the ESET program coordinator to have other 3XX/4XX coursework considered for use as a technical elective. These requests will be considered on a case-by-case basis and only in extraordinary situations.