

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 - subject to availability and offerings (C or better)

ENTC 489 – Mechatronics (MXET 300)	ENTC 489 – Embed Sensors and IoT (ESET 456)
ENTC 489 – Comm Electronics (ESET 366)	ENTC 489 – Systems Integration
ENTC 489 – Energy Management (ESET 444)	ESET 452 – Electronics Testing II (if not required for your catalog*)
ENTC 489 – Testing and Validation (ESET 453)	
ENTC 489 – Embed Real Time Sys (ESET 469)	ESET 435 – Data Communication (not typically offered)

ENDG 407 – **can only be used for a technical elective if taken IN FALL 2015 OR PRIOR**

*** 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.