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)

ESET 444 – Energy Management

ESET 453 – Validation and Verification

ESET 469 – Embedded Real Time Software Development

TCMG 308 – Cybersecurity Digital Ethics **(if enrolled in Cybersecurity minor)**

MXET 375 – Applied Dynamic Systems

Technical electives are offered on a rotating basis. Not all listed electives are available every semester. See an advisor to find out which electives are being offered.

Certificate and Minor Courses (C or better)

Students can apply for the Cybersecurity minor here: https://it-lf-ecmf2.ads.tamu.edu/Forms/Cyber-Application-to-Minor

Students pursuing a technical certificate or 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). Students enrolled in the MSET Fast Track program are not eligible to use graduate coursework as elective credit.

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.