ESET 633 Advanced Wireless Instrumentation and Control
Credits 3. 3 Lecture Hours.
Short range wireless communication, instrumentation and control for industrial Internet of Things (IoT); wireless sensor networks, information processing and transmission; analysis of requirements on reliability, latency, security, power, signal conditioning and processing, and control; system and subsystem performance evaluation; cloud computing, data analytics for system optimization and prognosis.
Prerequisites: Graduate classification or approval of instructor.

ESET 644 Embedded Intelligent System Design
Credits 3. 3 Lecture Hours.
Embedded intelligent system design; investigate artificial intelligent systems; advanced embedded system designs; use of high performance microcontroller and processor.
Prerequisites: Graduate classification or approval instructor.

ESET 681 Seminar
Credit 1. 1 Other Hour.
Selected topics presented by the faculty, students and outside speakers.
Prerequisites: Graduate classification or approval of instructor.

ESET 685 Directed Studies
Credits 1 to 12. 1 to 12 Other Hours.
Directed study of topics not within scope of thesis research and not covered by other formal courses. May be repeated for credit.
Prerequisites: Graduate classification or approval of instructor.

ESET 689 Special Topics in...
Credits 1 to 4. 1 to 4 Other Hours.
Selected topics in an identified area of engineering technology. May be repeated for credit.
Prerequisites: Graduate classification or approval of instructor.

ESET 691 Research
Credits 1 to 23. 1 to 23 Other Hours.
Research for thesis or dissertation. May be repeated for credit.
Prerequisites: Graduate classification or approval of instructor.

ESET 692 Professional Study
Credits 1 to 23. 1 to 23 Other Hours.
Approved professional study of project.
Prerequisites: Approval of instructor.