

**ELECTRICAL AND ELECTRONICS ENGINEERING PhD Program (on MSc)**

| REMEDIAL COURSES | | | | |
|---------------------------------|-------------|---|------------|-------------|
| Dept. | Code | Course Name | CR. | ECTS |
| EE | 211 | Electrical Circuits | NC | |
| EE | 212 | Circuits and Systems | NC | |
| EE | 226 | Fundamentals of Electromagnetics Fields | NC | |
| EE | 232 | Intro. To Electronics | NC | |
| EE | 241 | Digital Circuits | NC | |
| EE | 242 | Microprocessor Systems | NC | |
| PROGRAM COURSES | | | | |
| Dept. | Code | Course Name | CR. | ECTS |
| | | Departmental Elective I | 3 | 10 |
| | | Departmental Elective II | 3 | 10 |
| | | Departmental Elective III | 3 | 10 |
| | | Departmental Elective IV | 3 | 10 |
| | | Area Elective I | 3 | 10 |
| | | Area Elective II | 3 | 10 |
| | | Area Elective III* | 3 | 10 |
| EE | 690 | PhD Seminar | NC | 30 |
| EE | 691 | Independent Study for Qualifying Exam | NC | 2 |
| EE | 700 | PhD Dissertation | NC | 150 |
| | | TOTAL | 21 | 252 |
| EXTRA/NON-DEGREE COURSES | | | | |
| Dept. | Code | Course Name | CR. | ECTS |
| | | Extra/Non-degree | NC | |

* If a student did not take a research methods/methodologies course during MSc work, he/she shall take one of the courses in Research Methodologies instead of Area Elective III.

| Course Group | Description |
|----------------------------|--|
| Departmental Elective I-IV | Electrical and Electronics Engineering courses under the GSNAS. |
| Area Elective I-III | All GSNAS courses in the elective pool offered by all departments. |
| Research Methodologies | BTEC 550, ESYE 501. |
| Extra/Non-degree | Optional non-credit (NC) courses that are not part of the program. |
| Remedial Courses | Undergraduate level courses offered by department. |