

CURRICULUM **
Year of study I

| Code | Disciplines* | Type | Sem. I [hours / week] | | | | Total of hours / sem. | Type of Exami- nation | Cre- dits | IS [hours / sem.] | Condi- tioning |
|---------------------------|--|------|--------------------------|----------|----------|----------|-----------------------------|-----------------------------|--------------|-------------------------|-------------------|
| | | | C | S | L | P | | | | | |
| OBLIGATORII IMPUSE | | | | | | | | | | | |
| IETI-0003 | Mathematical Analysis | FD | 2 | 1 | - | - | 42 | Ex | 4 | 58 | |
| IETI-0002 | Linear algebra, analytical and differential geometry | FD | 2 | 1 | - | - | 42 | Ex | 3 | 33 | |
| IETI-0784 | Applied Informatics I | FD | 2 | - | 2 | - | 56 | Ex | 5 | 69 | |
| IETI-1048 | Computer-Assisted Graphics I | FD | 2 | - | 2 | - | 56 | Ex | 4 | 44 | |
| IETI-0013 | Physics | FD | 2 | 1 | - | - | 42 | Ex | 4 | 58 | |
| IETI-1046 | Quality and reliability | DD | 2 | 2 | - | - | 56 | Vp | 4 | 44 | |
| IETI-0212 | Technological methods and procedures | DD | 2 | - | 2 | - | 56 | Vp | 4 | 44 | |
| IETI-0548 | Modern languages I | CD | - | 1 | - | - | 14 | Vp | 2 | 36 | |
| TOTAL | | | 14 | 6 | 6 | - | 364 | | 30 | 386 | |
| IETI-0999 | Physical Education and Sport I | CD | - | 1 | - | - | 14 | A/R | 1 | 11 | |

| Code | Disciplines* | Type | Sem. II [hours / week] | | | | Total of hours / sem. | Type of Exami- nation | Cre- dits | IS [hours / sem.] | Condi- tioning |
|---------------------------|---------------------------------|------|---------------------------|----------|-----------|----------|-----------------------------|-----------------------------|--------------|-------------------------|-------------------|
| | | | C | S | L | P | | | | | |
| OBLIGATORII IMPUSE | | | | | | | | | | | |
| IETI-0009 | Special mathematics | FD | 2 | 1 | - | - | 42 | Ex | 4 | 58 | |
| IETI-0786 | Applied informatics II | FD | 2 | - | 2 | - | 56 | Ex | 5 | 69 | |
| IETI-0247 | Electromagnetic field theory | DD | 2 | 2 | 2 | - | 84 | Ex | 6 | 66 | |
| IETI-0637 | | SD | 2 | - | 2 | - | 56 | Vp | 5 | 69 | |
| IETI-1049 | Computer-Assisted Graphics II | FD | 2 | - | 2 | - | 56 | Vp | 4 | 44 | |
| IETI-0205 | Electrotechnic materials | DD | 2 | - | 2 | - | 56 | Ex | 4 | 44 | |
| IETI-0549 | Modern Languages II | CD | - | 1 | - | - | 14 | Vp | 2 | 36 | |
| TOTAL | | | 12 | 4 | 10 | - | 364 | | 30 | 386 | |
| IETI-1000 | Physical Education and Sport II | CD | - | 1 | - | - | 14 | A/R | 1 | 11 | |

Legend: C - Course; S - Seminar; L - Practical (laboratory); P - Project; IS - Individual Study;

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Type of Examination - Verification Form, Ex. - examination; Cv. - Colloquium, Vp. - Continuous Assessment, Pr - Project; A/R- Passed/Failed; Credits - number of ECTS credits; IS - Individual study.

Head of department ,
Associate professor Ph.D eng. Francisc - Ioan HATHAZI

RECTOR,
Professor Dr. BUNGĂU Constantin

DEAN,
Professor dr. GORDAN Ioan Mircea

CURRICULUM **
Year of study II

| Code | Disciplines* | Type | Sem. III [hours / week] | | | | Total of hours / sem. | Type of Exami- nation | Cre- dits | IS [hours / sem.] | Condi- tioning |
|------------------------------|--|------|----------------------------|----------|-----------|----------|-----------------------------|-----------------------------|--------------|-------------------------|-------------------|
| | | | C | S | L | P | | | | | |
| OBLIGATORII IMPUSE | | | | | | | | | | | |
| IETI-0210 | Numerical methods | FD | 2 | 1 | 2 | - | 70 | Ex | 5 | 60 | |
| IETI-0203 | Electric and electronic measurements I | DD | 2 | - | 2 | - | 56 | Ex | 6 | 100 | |
| IETI-0315 | Analogical and digital electronics I | DD | 2 | - | 2 | - | 56 | Ex | 5 | 74 | |
| IETI-0248 | Theory of electrical circuits I | DD | 3 | 1 | 2 | - | 84 | Ex | 7 | 98 | |
| IETI-0194 | Bond graphs in electrotechnics | SD | 2 | - | 2 | - | 56 | Vp | 4 | 48 | |
| IETI-0591 | Foreign Language III | CD | - | 2 | - | - | 28 | Vp | 2 | 24 | |
| TOTAL | | | 11 | 4 | 10 | - | 350 | | 29 | 404 | |
| OBLIGATORII OPȚIONALE | | | | | | | | | | | |
| IETI-0489 | Professional communication | CD | 1 | - | - | - | 14 | Vp | 1 | 12 | |
| IETI-1108 | Academic Ethics and Integrity | CD | 1 | - | - | - | 14 | Vp | 1 | 12 | |
| TOTAL | | | 1 | - | - | - | 14 | | 1 | 12 | |
| IETI-0027 | Sports III | CD | - | 1 | - | - | 14 | A/R | 1 | 12 | |

| Code | Disciplines* | Type | Sem. IV [hours / week] | | | | Total of hours / sem. | Type of Exami- nation | Cre- dits | IS [hours / sem.] | Condi- tioning |
|------------------------------|---|------|---------------------------|----------|----------|----------|-----------------------------|-----------------------------|--------------|-------------------------|-------------------|
| | | | C | S | L | P | | | | | |
| OBLIGATORII IMPUSE | | | | | | | | | | | |
| IETI-0249 | Theory of electrical circuits II | DD | 3 | 1 | 2 | - | 84 | Ex | 5 | 46 | |
| IETI-0272 | Electrical machines I | DD | 2 | - | 2 | - | 56 | Ex | 4 | 48 | |
| IETI-0316 | Analogical and digital electronics II | DD | 2 | - | 1 | - | 42 | Ex | 5 | 88 | |
| IETI-0205 | Electrotechnic materials | DD | 2 | - | 2 | - | 56 | Vp | 3 | 22 | |
| IETI-0204 | Electric and electronic measurements II | DD | 2 | - | 2 | - | 56 | Ex | 5 | 74 | |
| IETI-0037 | Practice I | DD | - | - | - | - | 90 | Vp | 2 | 0 | |
| IETI-0592 | Foreign Language IV | CD | - | 1 | - | - | 14 | Vp | 2 | 38 | |
| TOTAL | | | 11 | 2 | 9 | - | 398 | | 26 | 316 | |
| OBLIGATORII OPȚIONALE | | | | | | | | | | | |
| IETI-0242 | Programming techniques | SD | 2 | - | 2 | - | 56 | Vp | 4 | 48 | |
| IETI-0244 | Electrical technologies | SD | 2 | - | 2 | - | 56 | Vp | 4 | 48 | |
| TOTAL | | | 2 | - | 2 | - | 56 | | 4 | 48 | |
| IETI-0028 | Sports IV | CD | - | 1 | - | - | 14 | A/R | 1 | 12 | |

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CURRICULUM **
Year of study III

| Code | Disciplines* | Type | Sem. V [hours / week] | | | | Total of hours / sem. | Type of Exami- nation | Cre- dits | IS [hours / sem.] | Condi- tioning |
|------------------------------|---|------|--------------------------|----------|----------|----------|-----------------------------|-----------------------------|--------------|-------------------------|-------------------|
| | | | C | S | L | P | | | | | |
| OBLIGATORII IMPUSE | | | | | | | | | | | |
| IETI-0956 | Computer aided design in electrical engineering | SD | 2 | - | 1 | - | 42 | Ex | 3 | 42 | |
| IETI-0273 | Electrical machines II | DD | 2 | - | 1 | - | 42 | Ex | 3 | 42 | |
| IETI-0639 | Electrical Machines II - Project | DD | - | - | - | 1 | 14 | Vp | 2 | 42 | |
| IETI-0234 | Superconductors and superconducting systems | SD | 2 | - | 1 | - | 42 | Ex | 4 | 70 | |
| IETI-0182 | Electrical equipments | DD | 2 | - | 1 | - | 42 | Vp | 3 | 42 | |
| IETI-1061 | Theory of Systems and Automated Regulation | DD | 2 | - | 1 | - | 42 | Vp | 3 | 42 | |
| IETI-0277 | Servo systems | SD | 2 | - | 1 | - | 42 | Vp | 4 | 70 | |
| TOTAL | | | 12 | - | 6 | 1 | 266 | | 22 | 350 | |
| OBLIGATORII OPȚIONALE | | | | | | | | | | | |
| PACHET 1 | | | | | | | | | | | |
| IETI-0240 | Microwave technique | SD | 2 | - | - | 2 | 56 | Ex | 4 | 56 | |
| IETI-0179 | Industrial process control | SD | 2 | - | - | 2 | 56 | Ex | 4 | 56 | |
| PACHET 2 | | | | | | | | | | | |
| IETI-0257 | Static convertors | DD | 2 | - | 1 | - | 42 | Vp | 4 | 70 | |
| IETI-0958 | Microcontrollers and embedded systems | DD | 2 | - | 1 | - | 42 | Vp | 4 | 70 | |
| TOTAL | | | 4 | - | 1 | 2 | 98 | | 8 | 126 | |
| FACULTATIVE | | | | | | | | | | | |
| IETI-0605 | Foreign Language V (English) | CD | - | 2 | - | - | 28 | Vp | 2 | 28 | |

| Code | Disciplines* | Type | Sem. VI [hours / week] | | | | Total of hours / sem. | Type of Exami- nation | Cre- dits | IS [hours / sem.] | Condi- tioning |
|------------------------------|---|------|---------------------------|----------|----------|----------|-----------------------------|-----------------------------|--------------|-------------------------|-------------------|
| | | | C | S | L | P | | | | | |
| OBLIGATORII IMPUSE | | | | | | | | | | | |
| IETI-0412 | Electrical drives I | DD | 2 | - | 2 | - | 56 | Ex | 3 | 28 | |
| IETI-0959 | Industrial and residential electrical installations | SD | 2 | - | 2 | - | 56 | Ex | 4 | 56 | |
| IETI-0256 | Electromagnetic convertors | SD | 2 | - | 2 | - | 56 | Vp | 3 | 28 | |
| IETI-0960 | Marketing and management in electrical engineering | SD | 2 | - | - | - | 28 | Vp | 3 | 56 | |
| IETI-0038 | Practice II | DD | - | - | - | - | 90 | Vp | 3 | 0 | |
| IETI-0961 | Simulation algorithms in Electrical engineering / Electrical engineering simulation algorithms | SD | 2 | - | 2 | - | 56 | Ex | 4 | 56 | |
| IETI-0460 | Microprocessor systems | DD | 2 | - | 1 | - | 42 | Ex | 3 | 42 | |
| IETI-0504 | General Economics | CD | 2 | - | - | - | 28 | Vp | 3 | 56 | |
| TOTAL | | | 14 | - | 9 | - | 412 | | 26 | 322 | |
| OBLIGATORII OPȚIONALE | | | | | | | | | | | |
| IETI-0170 | Quality assurance in electrical systems | SD | 2 | - | 1 | - | 42 | Vp | 4 | 70 | |
| IETI-0230 | Energy systems | SD | 2 | - | 1 | - | 42 | Vp | 4 | 70 | |
| TOTAL | | | 2 | - | 1 | - | 42 | | 4 | 70 | |
| FACULTATIVE | | | | | | | | | | | |
| IETI-0606 | Foreign Language VI (English) | CD | - | 2 | - | - | 28 | Vp | 2 | 28 | |
| IETI-0963 | Telecommunications systems | SD | 2 | - | 2 | - | 56 | Vp | 3 | 28 | |
| IETI-0449 | Computer networks | SD | 2 | - | 1 | - | 42 | Vp | 3 | 42 | |

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 Associate professor Ph.D eng. Francisc - Ioan
 HATHAZI**

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CURRICULUM **
Year of study IV

| Code | Disciplines* | Type | Sem. VII [hours / week] | | | | Total of hours / sem. | Type of Exami- nation | Cre- dits | IS [hours / sem.] | Condi- tioning |
|------------------------------|--|------|----------------------------|----------|----------|----------|-----------------------------|-----------------------------|--------------|-------------------------|-------------------|
| | | | C | S | L | P | | | | | |
| OBLIGATORII IMPUSE | | | | | | | | | | | |
| IETI-0415 | Special electrical drive systems | SD | 2 | - | 1 | 1 | 56 | Ex | 4 | 48 | |
| IETI-0176 | Electromagnetic compatibility | SD | 2 | - | 1 | - | 42 | Ex | 4 | 62 | |
| IETI-0965 | Electromagnetic compatibility - project | SD | - | - | - | 1 | 14 | Pr | 1 | 12 | |
| IETI-0966 | Testing and diagnosis techniques in electrical systems | SD | 2 | - | 1 | - | 42 | Vp | 4 | 62 | |
| IETI-0817 | Generation, transportation and distribution of electrical energy | DD | 2 | - | 2 | - | 56 | Vp | 4 | 48 | |
| IETI-0967 | Equipments for unconventional electro-technologies | SD | 2 | - | 1 | - | 42 | Vp | 4 | 62 | |
| IETI-0968 | EU legislation in electrical engineering | CD | 2 | - | - | - | 28 | Vp | 2 | 24 | |
| TOTAL | | | 12 | - | 6 | 2 | 280 | | 23 | 318 | |
| OBLIGATORII OPȚIONALE | | | | | | | | | | | |
| PACHET 1 | | | | | | | | | | | |
| IETI-0643 | Equipment for Heating, Ventilation and Air Conditioning | SD | 2 | - | 1 | - | 42 | Ex | 4 | 62 | |
| IETI-0169 | Electrical utility equipment | SD | 2 | - | 1 | - | 42 | Ex | 4 | 62 | |
| PACHET 2 | | | | | | | | | | | |
| IETI-0222 | The design of electrical systems | SD | 2 | - | - | 1 | 42 | Ex | 3 | 36 | |
| IETI-0232 | Real-time software | SD | 2 | - | - | 1 | 42 | Ex | 3 | 36 | |
| TOTAL | | | 4 | - | 1 | 1 | 84 | | 7 | 98 | |
| FACULTATIVE | | | | | | | | | | | |
| IETI-0198 | Industrial installations | DD | 2 | - | 1 | - | 42 | Vp | 3 | 36 | |
| IETI-0638 | Work science and human resources | CD | 2 | - | 2 | - | 56 | Vp | 3 | 22 | |

| Code | Disciplines* | Type | Sem. VIII [hours / week] | | | | Total of hours / sem. | Type of Exami- nation | Cre- dits | IS [hours / sem.] | Condi- tioning |
|------------------------------|---|------|-----------------------------|----------|----------|----------|-----------------------------|-----------------------------|--------------|-------------------------|-------------------|
| | | | C | S | L | P | | | | | |
| OBLIGATORII IMPUSE | | | | | | | | | | | |
| IETI-0349 | Modern commutation techniques | SD | 2 | - | 1 | - | 42 | Vp | 3 | 36 | |
| IETI-0970 | Industrial energetics and unconventional energy sources | DD | 2 | - | 2 | - | 56 | Vp | 3 | 22 | |
| IETI-0243 | Microwave Technologies | SD | 2 | - | 2 | - | 56 | Ex | 3 | 22 | |
| IETI-0255 | Using electrical energy | SD | 2 | - | 2 | 2 | 84 | Ex | 4 | 20 | |
| IETI-0806 | Practice for diploma project development | SD | - | - | - | - | 72 | Vp | 10 | 188 | |
| TOTAL | | | 8 | - | 7 | 2 | 310 | | 23 | 288 | |
| OBLIGATORII OPȚIONALE | | | | | | | | | | | |
| PACHET 1 | | | | | | | | | | | |
| IETI-0971 | Modeling and simulation of electrical machines | SD | 2 | - | 1 | 2 | 70 | Ex | 4 | 34 | |
| IETI-0972 | Power Quality / Quality of the electrical energy | SD | 2 | - | 1 | 2 | 70 | Ex | 4 | 34 | |
| PACHET 2 | | | | | | | | | | | |
| IETI-0251 | Electrical tractions | SD | 2 | - | 2 | - | 56 | Ex | 3 | 22 | |
| IETI-0973 | Hybrid vehicles | SD | 2 | - | 2 | - | 56 | Ex | 3 | 22 | |
| TOTAL | | | 4 | - | 3 | 2 | 126 | | 7 | 56 | |
| LICENȚĂ | | | | | | | | | | | |
| IETI-0901 | Diploma exam | SD | - | - | - | - | 0 | Ex | 10 | 260 | |
| FACULTATIVE | | | | | | | | | | | |
| IETI-0224 | Industrial protection to perturbations and unfair competition | DD | 2 | 1 | - | - | 42 | Vp | 3 | 36 | |

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