

Sultan Qaboos University

Academic Degree and Degree Plan of Postgraduate Studies Program

| College | Engineering | | |
|----------------|--------------------------------------|---------------------|----------------------------------------------------------------------------------|
| Department | Electrical and Computer Engineering | Degree | Master of Science |
| Program- Major | Electrical and Computer Engineering | Cohort | 2019 |
| Specialization | Electronic Instrumentation & Control | Mode of Study | Full time Part time Both |

| Credit Required for Graduation | 30 | |
|-----------------------------------|--------|-------------------------|
| Core Courses | Thesis | Elective Courses |
| | | |
| 9 | 6 | 15 |

| | Program Option | |
|-----------------------|----------------|--------------|
| Courses and thesis | □ Thesis Only | Courses Only |
| Courses & Examination | | |

| Core Courses | | |
|--------------|----------------------------------------|---------|
| Course Code | Course Title | Credits |
| ECCE6400 | Optimization Techniques in Engineering | 3 |
| ECCE6132 | Linear System Theory | 3 |
| ECCE6315 | Power System Analysis | 3 |
| ECCE6316 | Power System Stability and Control | 3 |
| ECCE6122 | Digital Signal Processing | 3 |
| ECCE6124 | Digital Transmission | 3 |
| ECCE6261 | Advanced Modeling and Simulation | 3 |
| ECCE6242 | Advanced Computer Networks | 3 |
| ENGR6911 | Advanced Engineering Management | 3 |
| ENGR6913 | Advanced Engineering Mathematics | 3 |
| | 9 | |

| ECCE6450 Advanced Robot Manipulation 3 ECCE6424 Computer Control of Dynamic Systems 3 ECCE6430 Intelligent Sensor Systems 3 ECCE6431 Control of Electrical Drives 3 ECCE6432 Optimal Control Systems 3 ECCE6433 Advanced Power Electronics 3 ECCE6434 Optimal Control Systems 3 ECCE6432 Special Topics in Control 3 ECCE6343 Integrated Resource Planning for Electric Utilities 3 ECCE6345 Distributed Generation 3 ECCE6356 Distributed Generation 3 ECCE6367 New Trends in Electrical Machines Technology 3 ECCE6312 Information Theory and Coding 3 ECCE6313 Optical communication Systems 3 ECCE6322 Advanced Omputer Architecture 3 ECCE6323 Advanced Computer Architecture 3 ECCE6324 Network Analysis: Theory and Applications 3 ECCE6325 Neural Network Sand Intelligent Systems 3 ECCE6324 Advanced Network Security 3 ECCE6325 Neural Network Sand Intelligent Systems 3 ECCE6324 Advanced Network Security 3 ECCE6 | Elective Courses | | |
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| ECCE6424 Computer Control of Dynamic Systems 3 ECCE6400 Intelligent Sensor Systems 3 ECCE6431 Control of Electrical Drives 3 ECCE6432 Optimal Control Systems 3 ECCE6432 Optimal Control Systems 3 ECCE6432 Special Topics in Control 3 ECCE6325 Integrated Resource Planning for Electric Utilities 3 ECCE6335 Distributed Generation 3 ECCE6355 Distributed Generation 3 ECCE6130 Microwave Remote Sensing 3 ECCE6131 Information Theory and Coding 3 ECCE6132 Antenna Theory and Design 3 ECCE6133 Optical communication Systems 3 ECCE6134 Antenna Theory and Applications 3 ECCE6132 Radio wave Propagation and Radio Spectrum Management 3 ECCE6132 Advanced Computer Architecture 3 ECCE6232 Advanced Network Security 3 ECCE6234 Network Analysis: Theory and Applications 3 ECCE6235 Digital Design 3 ECCE6236 Advanced Network Security 3 ECCE6237 Neural Networks and Intelligent Systems 3 ECCE6244 Re | ECCE6450 | Advanced Robot Manipulation | 3 |
| ECCE6440 Intelligent Sensor Systems 3 ECCE6431 Control of Electrical Drives 3 ECCE6432 Optimal Control Systems 3 ECCE6423 Optimal Control Systems 3 ECCE6423 Optimal Control Systems 3 ECCE6423 Integrated Resource Planning for Electric Utilities 3 ECCE6325 Integrated Resource Planning for Electric Utilities 3 ECCE6346 High Voltage Technology 3 ECCE6355 Distributed Generation 3 ECCE6160 Microwave Remote Sensing 3 ECCE6127 Information Theory and Coding 3 ECCE6138 Optical communication Systems 3 ECCE6128 Antenna Theory and Radio Spectrum Management 3 ECCE6128 Radio wave Propagation and Radio Spectrum Management 3 ECCE6120 Rudio wave Rougation and Radio Spectrum Management 3 ECCE6121 New Analysis: Theory and Applications 3 ECCE6122 Advanced Network Security 3 ECCE6231 Network Analysis: Theory and Applications 3 ECCE6242 Realibility and Fault- | ECCE6424 | | 3 |
| ECCE6431 Control of Electrical Drives 3 ECCE6430 Advanced Power Electronics 3 ECCE6423 Optimal Control Systems 3 ECCE6423 Special Topics in Control 3 ECCE6423 Integrated Resource Planning for Electric Utilities 3 ECCE6325 Integrated Resource Planning for Electric Utilities 3 ECCE6335 Distributed Generation 3 ECCE6130 Microwave Remote Sensing 3 ECCE6130 Information Theory and Coding 3 ECCE6128 Antenna Theory and Design 3 ECCE6128 Antenna Theory and Applications 3 ECCE6129 Radio wave Propagation and Radio Spectrum Management 3 ECCE6120 Radio wave Propagation and Radio Spectrum Management 3 ECCE6121 Radio wave Propagation and Radio Spectrum Management 3 ECCE6122 Advanced Computer Architecture 3 ECCE6123 Advanced Network Security 3 ECCE6124 High Speed Digital Design 3 ECCE6242 Realiability and Fault-Tolerant Systems 3 ECCE6243 Reliability a | ECCE6440 | | 3 |
| CCCE6423Optimal Control Systems3ECCE6423Optimal Control Systems3ECCE6424Special Topics in Control3ECCE6325Integrated Resource Planning for Electric Utilities3ECCE6346High Voltage Technology3ECCE6355Distributed Generation3ECCE6367New Trends in Electrical Machines Technology3ECCE6150Microwave Remote Sensing3ECCE6127Information Theory and Coding3ECCE6133Optical communication Systems3ECCE6128Antenna Theory and Design3ECCE6129Radio wave Propagation and Radio Spectrum Management3ECCE6129Radio wave Propagation and Radio Spectrum Management3ECCE6129Networks and Intelligent System3ECCE6214Networks and Intelligent System3ECCE6224Networks and Intelligent Systems3ECCE6232Advanced Network Security3ECCE6244Reliability and Fault-Tolerant Systems3ECCE6250Digital Image Processing3ECCE6262Real Time Systems3ECCE6213Directed Studies3ECCE6250Advanced Engineering Applications3ECCE6262Real Time Systems3ECCE6213Directed Studies3ECCE6250Advanced Engineering Applications3ECCE6262Real Time Systems3ECCE6250Modelling and Control of Renewable energy systems3ECCE6262< | ECCE6431 | | 3 |
| ECCE6423 Optimal Control Systems 3 ECCE6423 Special Topics in Control 3 ECCE6325 Integrated Resource Planning for Electric Utilities 3 ECCE6325 Distributed Generation 3 ECCE6355 Distributed Generation 3 ECCE6357 New Trends in Electrical Machines Technology 3 ECCE6357 New Trends in Electrical Machines Technology 3 ECCE6350 Microwave Remote Sensing 3 ECCE6127 Information Theory and Coding 3 ECCE6128 Antenna Theory and Design 3 ECCE6128 Antenna Theory and Applications 3 ECCE6129 Radio wave Propagation and Radio Spectrum Management 3 ECCE6202 Radia wave Propagation and Applications 3 ECCE6217 Neural Networks and Intelligent System 3 ECCE622 Advanced Network Security 3 ECCE622 Advanced Network Security 3 ECCE623 Real Time Systems 3 ECCE624 Real Time Systems 3 ECCE6250 Digital Image Processing 3 <t< td=""><td>ECCE6430</td><td>Advanced Power Electronics</td><td>3</td></t<> | ECCE6430 | Advanced Power Electronics | 3 |
| ECCE6492Special Topics in Control3ECCE6325Integrated Resource Planning for Electric Utilities3ECCE6325Distributed Generation3ECCE6355Distributed Generation3ECCE6355Distributed Generation3ECCE6367New Trends in Electrical Machines Technology3ECCE6150Microwave Remote Sensing3ECCE6127Information Theory and Coding3ECCE6128Antenna Theory and Design3ECCE6129Radio wave Propagation and Radio Spectrum Management3ECCE6129Radio wave Propagation and Radio Spectrum Management3ECCE6129Radio wave Propagation and Radio Spectrum Management3ECCE6220Advanced Computer Architecture3ECCE6232Advanced Network security3ECCE6244Network and Intelligent System3ECCE6250Digital Image Processing3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6263Nonlinear systems and Engineering Applications3ECCE6275Nonlinear systems and Engineering Applications3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6275Nonlinear systems and Engineering Applications3ECCE6262Real Time Systems3ECCE6262 <td>ECCE6423</td> <td></td> <td>3</td> | ECCE6423 | | 3 |
| ECCE6325Integrated Resource Planning for Electric Utilities3ECCE6325Distributed Generation3ECCE6355Distributed Generation3ECCE6367New Trends in Electrical Machines Technology3ECCE6150Microwave Remote Sensing3ECCE6127Information Theory and Coding3ECCE6128Antenna Theory and Design3ECCE6133Optical communication Systems3ECCE6128Radio wave Propagation and Radio Spectrum Management3ECCE6232Advanced Computer Architecture3ECCE6244Network Analysis: Theory and Applications3ECCE6275Neural Networks and Intelligent System3ECCE6282Advanced Network Security3ECCE6284Reliability and Fault-Tolerant Systems3ECCE629Digital Image Processing3ECCE620Digital Image Processing3ECCE6213Directed Studies3ECCE6225Nonlinear systems3ECCE625Nonlinear systems3ECCE626Real Time Systems3ECCE6275Nonlinear systems and Engineering Applications3ECCE628Real Time Systems3ECCE629Digital Image Processing3ECCE620Real Time Systems3ECCE6213Directed Studies3ECCE625Nonlinear systems and Engineering Applications3ECCE626Modelling and Control of Renewable energy systems3ECCE6318Power S | ECCE6492 | | 3 |
| ECCE6346High Voltage Technology3ECCE6355Distributed Generation3ECCE6355Distributed Generation3ECCE6150New Trends in Electrical Machines Technology3ECCE6150Microwave Remote Sensing3ECCE6127Information Theory and Coding3ECCE6128Antenna Theory and Design3ECCE6128Radio wave Propagation and Radio Spectrum Management3ECCE6129Radio wave Propagation and Radio Spectrum Management3ECCE6232Advanced Computer Architecture3ECCE6244Network Analysis: Theory and Applications3ECCE6255Neural Networks and Intelligent System3ECCE6262Advanced Network Security3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6210Advanced Spectral Analysis for Biomedical Signals3ECCE622Real Time Systems3ECCE623Digital Image Processing3ECCE6245Nonlinear systems and Engineering Probability & Statistics3ECCE625Nonlinear systems and Engineering Applications3ECCE626Modelling and Control of Renewable energy systems3ECCE6318Power System Operation and Control3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3 <t< td=""><td>ECCE6325</td><td></td><td>3</td></t<> | ECCE6325 | | 3 |
| ECCE6355Distributed Generation3ECCE6367New Trends in Electrical Machines Technology3ECCE6150Microwave Remote Sensing3ECCE6127Information Theory and Coding3ECCE6128Antenna Theory and Design3ECCE6128Antenna Theory and Design3ECCE6133Optical communication Systems3ECCE6128Radio wave Propagation and Radio Spectrum Management3ECCE6123Advanced Computer Architecture3ECCE6232Advanced Computer Architecture3ECCE6161High Speed Digital Design3ECCE6282Advanced Network Security3ECCE620Digital Image Processing3ECCE620Digital Image Processing3ECCE6213Directed Studies3ECCE6213Directed Studies3ECCE6214Advanced Spectral Analysis for Biomedical Signals3ECCE6213Directed Studies3ECCE6214Renewable Energy Systems3ECCE6215Nonlinear systems and Engineering Applications3ECCE6214Modelling and Control of Renewable energy systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6319Microgrids and Smart Grid3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6319Microgrids and Smart Grid3ECCE6319Microgrid | ECCE6346 | | 3 |
| IncentionNew Trends in Electrical Machines recursionECCE630Microwave Remote Sensing3ECCE6127Information Theory and Coding3ECCE6128Antena Theory and Design3ECCE6133Optical communication Systems3ECCE6162Radio wave Propagation and Radio Spectrum Management3ECCE6232Advanced Computer Architecture3ECCE6232Advanced Computer Architecture3ECCE6275Neural Networks and Intelligent System3ECCE611High Speed Digital Design3ECCE6284Reliability and Fault-Tolerant Systems3ECCE6284Reliability and Fault-Tolerant Systems3ECCE620Digital Image Processing3ECCE620Real Time Systems3ECCE6213Directed Studies3ECCE6213Directed Studies3ECCE625Nonlinear systems and Engineering Applications3ECCE6213Directed Studies3ECCE6214Modelling and Control of Renewable energy systems3ECCE6215Nonlinear system Operation and Control3ECCE6317Economic Operations of Power Systems3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection | ECCE6355 | | 3 |
| ECCE6150Microwave Remote Sensing3ECCE6127Information Theory and Coding3ECCE6128Antenna Theory and Design3ECCE6128Antenna Theory and Design3ECCE6133Optical communication Systems3ECCE6162Radio wave Propagation and Radio Spectrum Management3ECCE6232Advanced Computer Architecture3ECCE6232Advanced Computer Architecture3ECCE6244Network Analysis: Theory and Applications3ECCE6161High Speed Digital Design3ECCE6282Advanced Network Security3ECCE6284Reliability and Fault-Tolerant Systems3ECCE620Digital Image Processing3ECCE6213Directed Studies3ECCE6213Directed Studies3ECCE6425Nonlinear systems and Engineering Applications3ECCE6426Modelling and Control of Renewable energy systems3ECCE6426Modelling and Control of Renewable energy systems3ECCE6426Modelling and Control of Rower Systems Protection3ECCE6318Power System Operation and Control3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE632 | ECCE6367 | New Trends in Electrical Machines Technology | 3 |
| ECCEG128Information fine by and coungECCEG128Antenna Theory and Design3ECCEG128Antenna Theory and Design3ECCEG133Optical communication Systems3ECCEG132Radio wave Propagation and Radio Spectrum Management3ECCEG232Advanced Computer Architecture3ECCEG144Network Analysis: Theory and Applications3ECCEG275Neural Networks and Intelligent System3ECCEG161High Speed Digital Design3ECCEG282Advanced Network Security3ECCE6295Digital Image Processing3ECCE620Digital Image Processing3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ECCE625Nonlinear systems and Engineering Applications3ECCE62617Economic Operations of Power Systems3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6319Microgrids and Smart Grid3ECCE6319Microgrids and Smart Grid3ECCE6310Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6319Microgrids and Smart Grid3ECCE6310Ecceronu3 <trr>ECCE6320</trr> | ECCE6150 | 5 | 3 |
| ECCE6128Antenna Theory and Design3ECCE6133Optical communication Systems3ECCE6133Optical communication Systems3ECCE6162Radio wave Propagation and Radio Spectrum Management3ECCE6232Advanced Computer Architecture3ECCE6244Network Analysis: Theory and Applications3ECCE6275Neural Networks and Intelligent System3ECCE6161High Speed Digital Design3ECCE6282Advanced Network Security3ECCE6284Reliability and Fault-Tolerant Systems3ECCE620Digital Image Processing3ECCE6210Advanced Spectral Analysis for Biomedical Signals3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ECCE6425Nonlinear systems and Engineering Applications3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3 <td>ECCE6127</td> <td>Information Theory and Coding</td> <td>3</td> | ECCE6127 | Information Theory and Coding | 3 |
| ECCE6162Radio wave Propagation and Radio Spectrum Management3ECCE6162Radio wave Propagation and Radio Spectrum Management3ECCE6232Advanced Computer Architecture3ECCE6244Network Analysis: Theory and Applications3ECCE6275Neural Networks and Intelligent System3ECCE611High Speed Digital Design3ECCE6282Advanced Network Security3ECCE6284Reliability and Fault-Tolerant Systems3ECCE6250Digital Image Processing3ECCE6262Real Time Systems3ECCE6213Directed Studies3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ECCE6425Nonlinear systems and Engineering Applications3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power System Stresterion3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE67001Master Thesis6 | ECCE6128 | | 3 |
| ECCE6162Radio wave Propagation and Radio Spectrum Management3ECCE6232Advanced Computer Architecture3ECCE6232Advanced Computer Architecture3ECCE6244Network Analysis: Theory and Applications3ECCE6275Neural Networks and Intelligent System3ECCE6161High Speed Digital Design3ECCE6282Advanced Network Security3ECCE6284Reliability and Fault-Tolerant Systems3ECCE6250Digital Image Processing3ECCE6262Real Time Systems3ECCE6213Directed Studies3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ECCE6425Nonlinear systems and Engineering Applications3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced | ECCE6133 | Optical communication Systems | 3 |
| ECCE6232Advanced Computer Architecture3ECCE6244Network Analysis: Theory and Applications3ECCE6275Neural Networks and Intelligent System3ECCE611High Speed Digital Design3ECCE6282Advanced Network Security3ECCE6284Reliability and Fault-Tolerant Systems3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6263Digital Image Processing3ECCE6262Real Time Systems3ECCE6263Advanced Spectral Analysis for Biomedical Signals3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ECCE6425Nonlinear systems and Engineering Applications3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection <t< td=""><td>ECCE6162</td><td></td><td>3</td></t<> | ECCE6162 | | 3 |
| ECCE6244Network Analysis: Theory and Applications3ECCE6275Neural Networks and Intelligent System3ECCE6161High Speed Digital Design3ECCE6282Advanced Network Security3ECCE6284Reliability and Fault-Tolerant Systems3ECCE6250Digital Image Processing3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6213Directed Studies3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ECCE6425Nonlinear systems and Engineering Applications3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Microgrids and Smart Grid15ECCE7001Master Thesis6 | ECCE6232 | | 3 |
| ECCE6275Neural Networks and Intelligent System3ECCE6161High Speed Digital Design3ECCE6282Advanced Network Security3ECCE6284Reliability and Fault-Tolerant Systems3ECCE6250Digital Image Processing3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6213Directed Studies3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ECCE6425Nonlinear systems and Engineering Applications3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Master Thesis6 | ECCE6244 | | 3 |
| ECCE6161High Speed Digital Design3ECCE6282Advanced Network Security3ECCE6284Reliability and Fault-Tolerant Systems3ECCE6250Digital Image Processing3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6213Directed Studies3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ENGR6920Renewable Energy Systems3ECCE6425Nonlinear systems and Engineering Applications3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Mater Thesis6 | ECCE6275 | | 3 |
| ECCE6284Reliability and Fault-Tolerant Systems3ECCE6284Reliability and Fault-Tolerant Systems3ECCE6250Digital Image Processing3ECCE6262Real Time Systems3ECCE6510Advanced Spectral Analysis for Biomedical Signals3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ENGR6920Renewable Energy Systems3ECCE6425Nonlinear systems and Engineering Applications3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection6 | ECCE6161 | | 3 |
| ECCE6284Reliability and Fault-Tolerant Systems3ECCE6250Digital Image Processing3ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6210Advanced Spectral Analysis for Biomedical Signals3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ENGR6920Renewable Energy Systems3ECCE6425Nonlinear systems and Engineering Applications3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Master Thesis6 | ECCE6282 | Advanced Network Security | 3 |
| ECCE6262Real Time Systems3ECCE6262Real Time Systems3ECCE6210Advanced Spectral Analysis for Biomedical Signals3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ENGR6920Renewable Energy Systems3ECCE6425Nonlinear systems and Engineering Applications3ECCE6426Modelling and Control of Renewable energy systems3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Master Thesis6 | ECCE6284 | | 3 |
| ECCE6510Advanced Spectral Analysis for Biomedical Signals3ECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ENGR6920Renewable Energy Systems3ECCE6425Nonlinear systems and Engineering Applications3ECCE6426Modelling and Control of Renewable energy systems3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Maxter Thesis6 | ECCE6250 | · · · · · | 3 |
| ECCE0310Advanced Spectral Analysis for Biomedical SignalsECCE6213Directed Studies3ENGR6910Advanced Engineering Probability & Statistics3ENGR6920Renewable Energy Systems3ECCE6425Nonlinear systems and Engineering Applications3ECCE6426Modelling and Control of Renewable energy systems3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection3ECCE6320Master Thesis6 | ECCE6262 | Real Time Systems | 3 |
| ECCEG119Directed studiesENGR6910Advanced Engineering Probability & Statistics3ENGR6920Renewable Energy Systems3ECCE6425Nonlinear systems and Engineering Applications3ECCE6426Modelling and Control of Renewable energy systems3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection15ThesisCourse CodeCourse TitleCreditsECCE7001Master Thesis6 | ECCE6510 | Advanced Spectral Analysis for Biomedical Signals | 3 |
| ENGREGIZAdvanced Engineering Probability & StatisticsENGR6920Renewable Energy Systems3ECCE6425Nonlinear systems and Engineering Applications3ECCE6426Modelling and Control of Renewable energy systems3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ECCE6320Advanced Power Systems Protection15ThesisCourse CodeCourse TitleCreditsECCE7001Master Thesis6 | ECCE6213 | Directed Studies | 3 |
| ENCIRCUS20Refreewable Energy SystemsECCE6425Nonlinear systems and Engineering Applications3ECCE6426Modelling and Control of Renewable energy systems3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ThesisCourse CodeCourse TitleECCE7001Master Thesis6 | ENGR6910 | Advanced Engineering Probability & Statistics | 3 |
| ECCEG42.5Nonlinear systems and Engineering ApplicationsECCE642.6Modelling and Control of Renewable energy systems3ECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3ThesisCourse CodeCourse TitleCreditsECCE7001Master Thesis6 | ENGR6920 | Renewable Energy Systems | 3 |
| ECCE0420Modelining and control of itelewable energy systemsECCE6317Economic Operations of Power Systems3ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3Total15ThesisCourse CodeCourse TitleCreditsECCE7001Master Thesis6 | ECCE6425 | Nonlinear systems and Engineering Applications | 3 |
| ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3Total15ThesisCourse CodeCourse TitleECCE7001Master Thesis6 | ECCE6426 | Modelling and Control of Renewable energy systems | 3 |
| ECCE6318Power System Operation and Control3ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3TotalThesisCourse CodeCourse TitleECCE7001Master Thesis6 | ECCE6317 | | 3 |
| ECCE6319Microgrids and Smart Grid3ECCE6320Advanced Power Systems Protection3Total15ThesisCourse CodeCourse TitleCreditsECCE7001Master Thesis6 | ECCE6318 | | 3 |
| ECCE6320Advanced Power Systems Protection3Total15ThesisCourse CodeCourse TitleCreditsECCE7001Master Thesis6 | ECCE6319 | | 3 |
| Total 15 Thesis Course Code Credits ECCE7001 Master Thesis 6 | ECCE6320 | | 3 |
| Course CodeCourse TitleCreditsECCE7001Master Thesis6 | | | 15 |
| ECCE7001 Master Thesis 6 | | Thesis | |
| | | | Credits |
| Total 6 | ECCE7001 | Master Thesis | 6 |
| | | Total | 6 |

| Approval and Signatures | | |
|-------------------------|----------------------|----------------------------------------------------------------|
| Program Coordinator: | Head of Department: | Assistant Dean for Postgraduate Studies and Research: |
| Dr. Mostefa Mesbah | Dr. Mohammed Al-Badi | Dr. Nasser Al-Azri |

Note: - New courses can be added.

- Please seal all pages when adding new pages.