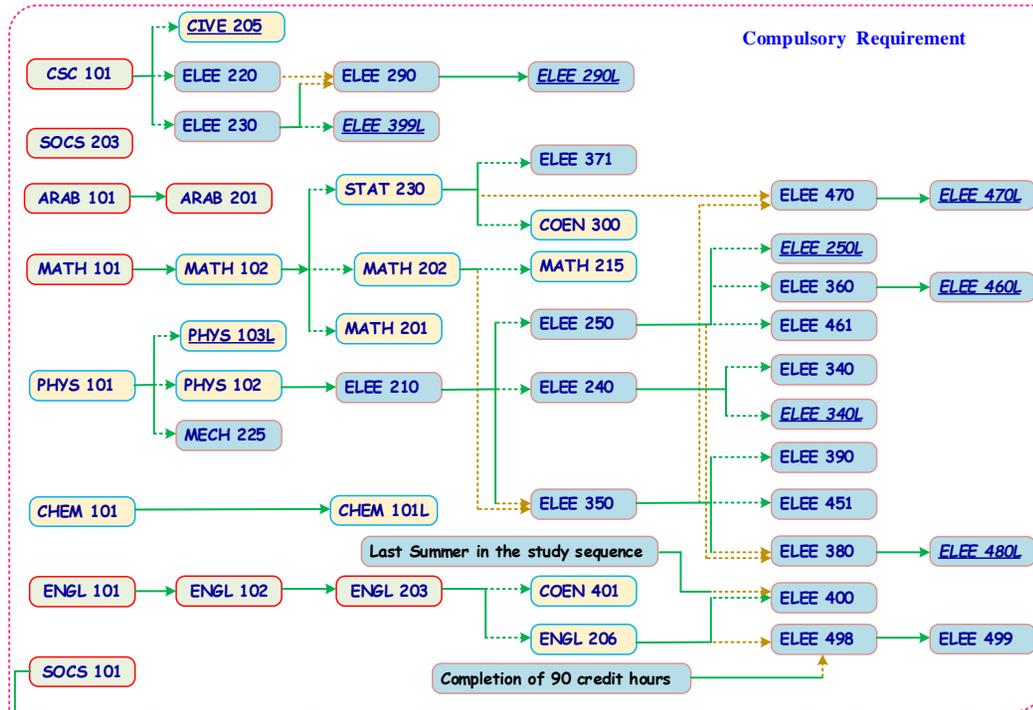
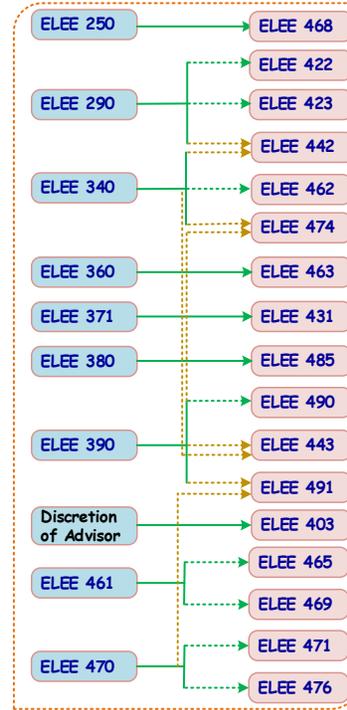


## 2020 ELEE BE Study Plan



### Elective Specialization Requirements 9 –credit hours could be chosen



**A Free Elective Course**  
(3 credit hours) could be chosen

- ASTR 150** Introduction to Astronomy
- SOCS 201** Islamic Civilization II
- CHEM 150** Chemistry & Society
- PHED 101** Physical Education 1
- FREN 101** Basic French 1

<ul style="list-style-type: none"> <li><span style="border: 1px solid red; border-radius: 50%; padding: 2px;"> </span> University Requirements</li> <li><span style="border: 1px solid blue; border-radius: 50%; padding: 2px;"> </span> College Requirements</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid green; border-radius: 50%; padding: 2px;"> </span> Compulsory Specialization Requirements</li> <li><span style="border: 1px solid orange; border-radius: 50%; padding: 2px;"> </span> Free Elective</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid orange; border-radius: 50%; padding: 2px;"> </span> Elective Specialization Requirements</li> <li><span style="color: green;">→</span> One Prerequisite</li> <li><span style="color: orange;">→</span> Two Prerequisites</li> <li><span style="color: red;">xxx</span> One credit hour</li> <li><span style="color: red;">xxx</span> Three credit hours</li> <li><span style="color: green;">- - - - -</span> Prerequisite for more than course</li> </ul>
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- ELEE 460L Machines Lab
- ELEE 461 Fundamentals of Power Systems Analysis
- ELEE 470 Communication Systems
- ELEE 470L Communications Lab
- ELEE 480L Control Lab
- MECH 225 Engineering Mechanics
- ELEE 498 Final Year Project I
- ELEE 499 Final Year Project II

- ELEE 210 Electric Circuits I
- ELEE 220 Logic Design
- ELEE 240 Electronics
- ELEE 250 Electric Circuits II
- ELEE 250L Electric Circuits Laboratory
- ELEE 290 Digital Systems
- ELEE 290L Digital Systems Lab
- ELEE 340 Electronic Circuits
- ELEE 340L Electronics Lab
- ELEE 350 Signals and Systems
- ELEE 360 Electric Machines
- ELEE 371 Principles of Data
- ELEE 380 Control Systems
- ELEE 390 Electromagnetic
- ELEE 399 LMATLAB for Engineers
- ELEE 400 Summer Internship for Electrical Students
- ELEE 440L Electronic Circuits Lab
- ELEE 451 Digital Signal Processing
- ELEE 403 Special Topics in electrical Engineering
- ELEE 422 Computer Architecture
- ELEE 423 Embedded System Design
- ELEE 431 Computer Networks
- ELEE 442 Digital Integrated Circuits
- ELEE 443 RF and Microwave Circuits for Communications
- ELEE 462 Power Electronics
- ELEE 463 Electric Drives

- ELEE 465 Power System Planning
- ELEE 468 Renewable Energy Systems
- ELEE 469 Power System Protection
- ELEE 471 Wireless Communications
- ELEE 474 RF and Microwave Communication Systems
- ELEE 476 Digital Communications
- ELEE 485 Instrumentation
- ELEE 490 Electromagnetic Waves and Transmission
- ELEE 491 Antenna Theory and Design