

Proposed Plan of Study- BS-EEE:

Year I		
Fall Semester		18 Credits
Code	Course Title	Credit Hours
SOCS 102	Omani Society	3
ENGL 101	Basic Academic English I	3
MATH 199	Calculus I	3
PHYS 170	Fundamentals of Physics I	3
PHYS 170L	Introductory Physics Laboratory	1
ENGR 105	Engineering Graphics	2
CHEM 130	Chemical Principles I	3
Spring Semester		17 Credits
Code	Course Title	Credit Hours
EECE 130	Computers and Programming I	3
EECE 130L	Computers and Programming Laboratory	1
EECE 210	Electric Circuits I	3
ENGL 102E	English for Engineering and Sciences I	3
ENGR 100	Introduction to Engineering	3
MATH 200	Calculus II	3
ENGR 110	Engineering Workshop	1
Summer Semester		6 Credits
Code	Course Title	Credit Hours
ENGL 203E	English for Engineering and Sciences II	3
MATH 205	Calculus III	3
Year II		
Fall Semester		17 Credits
Code	Course Title	Credit Hours
EECE 211	Electric Circuits II	3
EECE 210L	Electric Circuits Laboratory I	1
EECE 220	Digital Systems Design	3
EECE 230	Computers and Programming II	3
EECE 222	Discrete Mathematics for Engineers	3
PHYS 210	Fundamentals of Physics II	3
EECE 211L	Electric Circuits Laboratory II	1
Spring Semester		17 Credits
Code	Course Title	Credit Hours
EECE 212	Basic Electronics	3
EECE 212L	Basic Electronics Laboratory	1
EECE 220L	Digital Systems Laboratory	1
EECE 221	Microprocessor Systems	3
MATH 250E	Probability and Statistics	3
MATH 210	Differential Equations	3
ENTR 200	Entrepreneurship: Innovation and Creativity	3
Summer Semester		3 Credits
Code	Course Title	Credit Hours
MATH 277	Linear Algebra I	3

Year III		
Fall Semester		16 Credits
Code	Course Title	Credit Hours
EECE 221L	Microprocessor Laboratory	1
EECE 343	Electromagnetic Field Theory	3
EECE 350	Fundamentals of Electric Power Engineering	3
ENGL 204	Advanced English for Academic Purposes and Research	3
ENGR 300	Engineering Economy	3
MATH 335	Mathematics for Science and Engineering	3
Spring Semester		16 Credits
Code	Course Title	Credit Hours
ENGL 305	Advanced English Language and Communication Skills	3
EECE 340	Signals and Systems	3
EECE 361	Power Systems I	3
EECE 362	Introduction to Electric machines	3
EECE XXXL	Major Elective Laboratory	1
EECE XXX	Major Elective	3
Summer Semester		0 Credits
Code	Course Title	Credit Hours
EECE 400	Practical Training	0
Year IV		
Fall Semester		16 Credits
Code	Course Title	Credit Hours
EECE 401	Final Year Project I	0
EECE 342	Communication Systems	3
ARAB 101	Academic Writing in Arabic	3
EECE XXX	Major Elective	3
EECE XXX	Major Elective	3
EECE 360	Control Systems	3
EECE XXXL	Major Elective Laboratory	1
Spring Semester		12 Credits
Code	Course Title	Credit Hours
EECE 402	Final Year Project II	3
EECE 461	Instrumentation	3
EECE XXX	Major Elective	3
XXX	General Elective	3