

LIST OF TECH ELECTIVES (SUBJECT TO CHANGE)							
SPRING				FALL			
TRACK	PFX	####	COURSE NAME	TRACK	PFX	####	COURSE NAME
1, 6	EEL	3116L	Laboratory II	4	EEL	4657L	Linear Controls Laboratory
3	EEL	4206L	Power Lab	4	EEL	3100	Network Analysis and Design
3	EEL	4241	Power Electronics	1, 6	EEL	3116L	Laboratory II
1	EEE	4410	System on a Chip	3	EEL	4206L	Power Lab
5	EEL	4422	RF/Microwave Circuits II	3	EEL	4251	Power System Analysis
5	EEL	4461	Antenna Theory	1	EEE	4260C	Bioelectricity
1	EEE	4506	Biomedical Image Processing	6	EEE	4274	MEMS I: Chem/Biomed Sensors
4	EEL	4657L	Linear Controls Laboratory	6	EEE	4359	Analog CMOS/VLSI Design
2	EEL	4727C	Dig Sgnl Process Fld Progrmble	5	EEL	4420	Radio Freq Microwave Measuremt
4	EEL	4740	EmbedSys	5	EEL	4421	RF/Microwave Circuits I
1	EEE	4271	Bioelectronics	2	EEL	4595	Mobile/Personal Communication
1	EEE	4506	Biomedical Image Processing	4	EEL	4743L	Microprocessor Laboratory
4	EGN	3060	Mechatronics for Innovation	4	EEL	4744	Microprocessor Principles/Apps
5	EEL	4935	RF/MW Power Amp Design	2	EEL	4756	Digital Signal Processing
GE	EEL	4935	Statistical Inference	3	EEL	4224	Electrical Machines and Drives
1	EEL	4935	Intro to Bioengineering	5	EEL	4935	MMIC Design
3	EEL	4935	Design of Solar Power Plants	5	EEL	4935	Wireless Sensor Networks
GE	EEL	4935	Cryptography & Data Security	GE	EEL	4835	Programming Design
3	EEL	4212	Energy Delivery Systems	GE	EEL	4935	Data Netwk, Systems & Security
GE	EEL	4935	MAKE: Hands-On Engr Design	4	EEL	4936	Digital Control Theory
GE	EEL	4936	Advanced Cyber Security	6	EEL	4936	Integrated Circuit Technology
2, 5	EEL	4936	Wireless Comm. Lab	GE	EEL	4936	MAKE: Hands-On Engr Design
6	EEL	4936	Nanostruc/Matl-Sustainable Sys	3	EEL	4283	Sustainable Energy
GE	EEL	4937	Leadership in Engineering	GE	EEL	4937	Leadership in Engineering
6	EEL	4301	Electronics II				
6	EEL	4567	Electro-Optics				

TRACKS	
1	Bioelectrical Systems
2	Communication Systems
3	Energy, Power and Sustainability
4	Mechatronics, Robotics and Embedded Systems
5	Wireless Circuits and Sytems
6	Micro and Nano-Scale Systems
RC	Required Core
EC	Elective Core
GE	General Elective

NOTE 1:	Students can take 5000 level courses as tech electives with permission, if they meet all pre-req requirements
NOTE 2:	Additional electives may be offered, not listed in the table above; students must check OASIS during registration