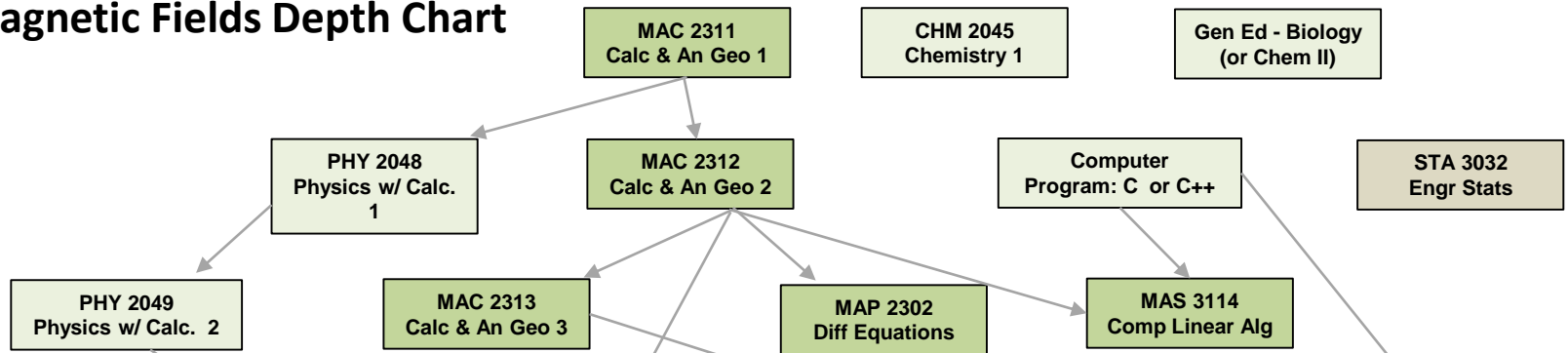


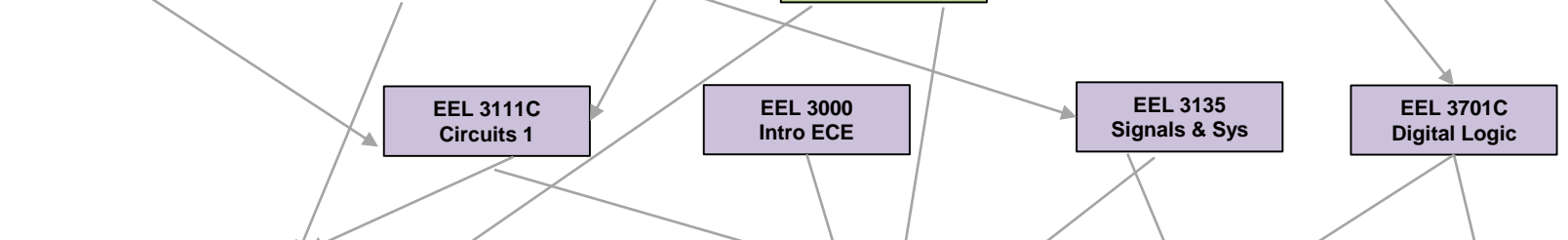
2015-2016 BSEE Curriculum: Electro-magnetic Fields Depth Chart

Draft June 7, 2017

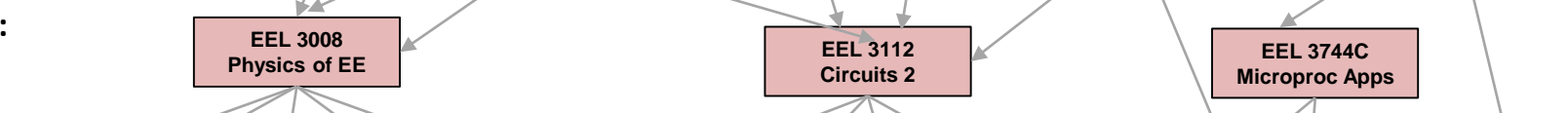
Preparation:



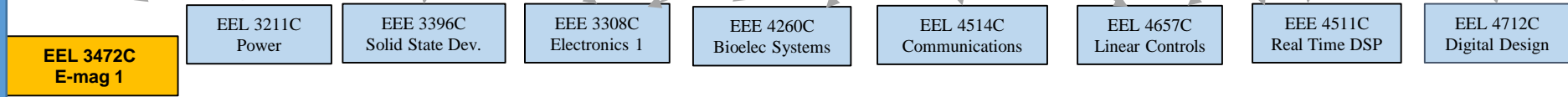
Introductory:



Foundational:



Breadth:
Select 3 courses



EEL3742C-Electromagnetic Fields and Applications 1 Depth Chart:

- EEL4412/EEL5417- App Mag & Mag Mtls
- EEL4421- RF/Microwave Passive Circuits
- EEL4440- Optical Communication Systems
- EEL4446/EEL5447- Laser Theory & Design
- EEL4458/EEL5441- Fund. Of Photonics
- EEL4461- Antenna Systems

- EEL4473/EEL6486 E-mag Fields & Apps 2
- EEL4495 Lightning
- EEL4540/EEL5547- Intro to Radar
- EEL4930/EEL5934- Acoustics
- EEL5451L- Photonics Lab
- EEL6487- E-Mag Fields & Apps 3

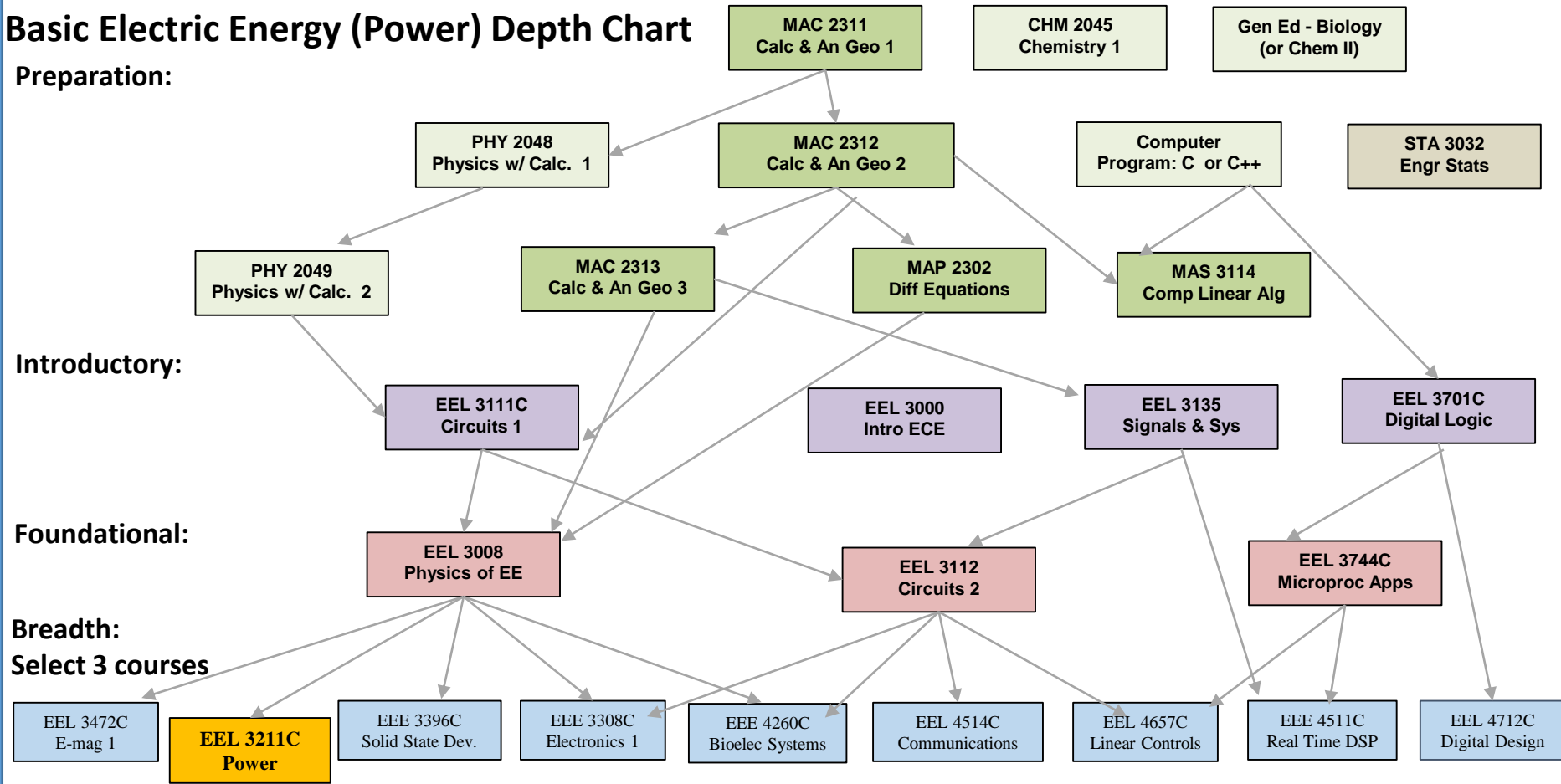
2015-2016 BSEE Curriculum: Basic Electric Energy (Power) Depth Chart

Preparation:

Introductory:

Foundational:

Breadth:
Select 3 courses



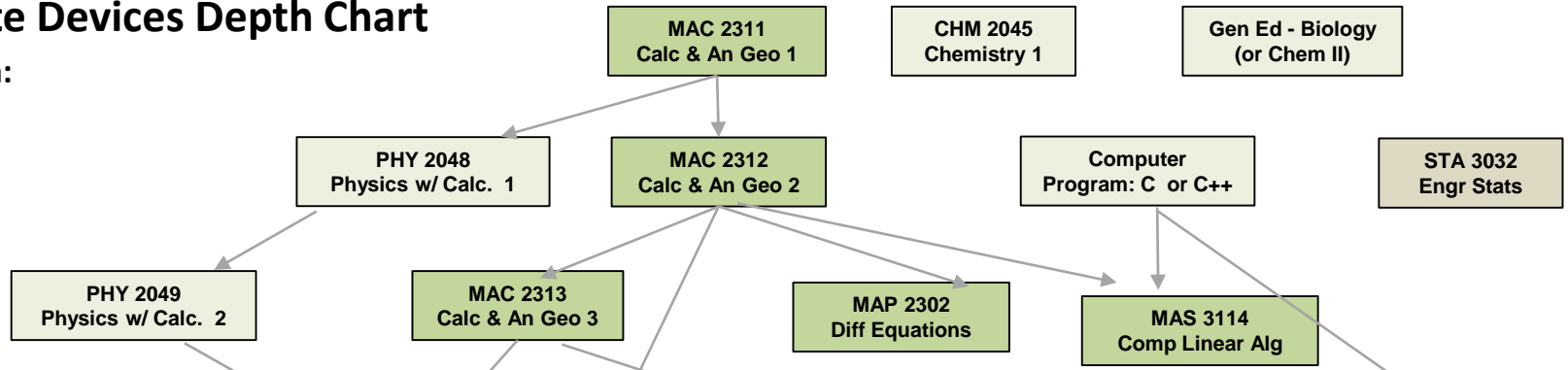
EEL3211C Basic Electric Energy (Power) Depth Chart:

- EEL4242C-Power Electronics Circuits
- EEL4251/EEL5934-Power Systems Analysis
- EEL4271/EEL5934- Power Systems Protect
- EEL4287/EEL5934- Smart Grid

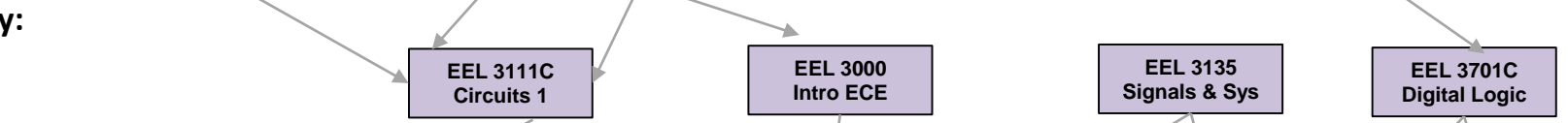
2015-2016 BSEE Curriculum: Solid State Devices Depth Chart

Draft June 7, 2017

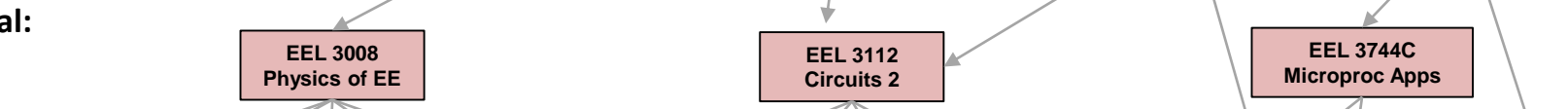
Preparation:



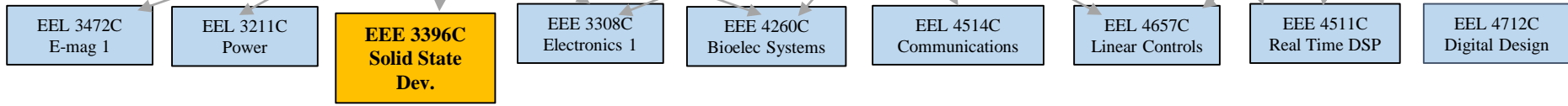
Introductory:



Foundational:



Breadth:
Select 3 courses



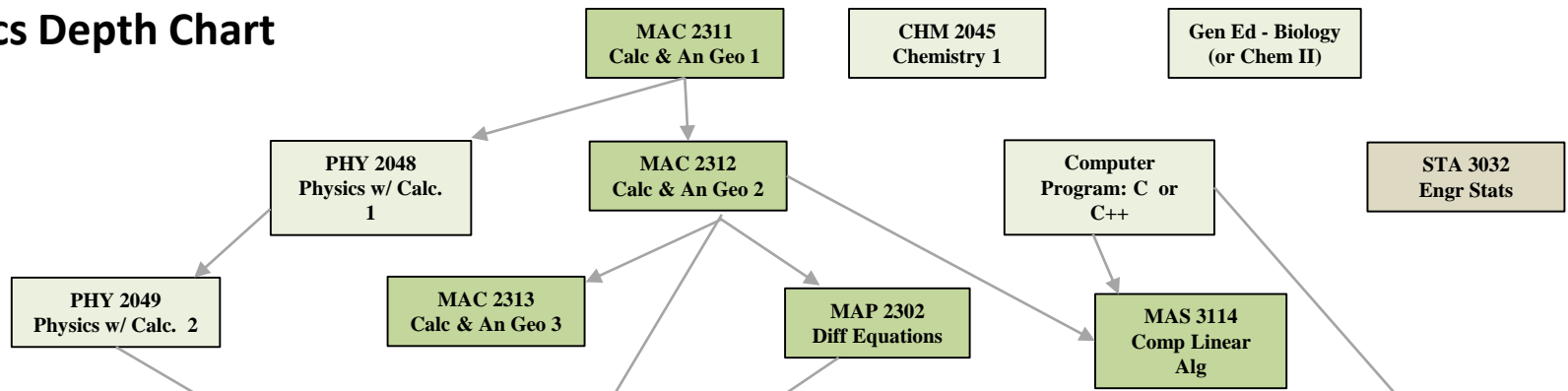
EEE3396C Solid State Devices Depth Chart:

- EEE 4329/5400- Future of Microelec. Tech.
- EEE 4331/5406- Microelec Fab Tech
- EEE 4420/5426-Intro to Nanodevices
- EEL4440- Optical Communications Systems
- EEE 4930/5225-Principles of MEMS
- EEE6428 Computational Nanoelectronics

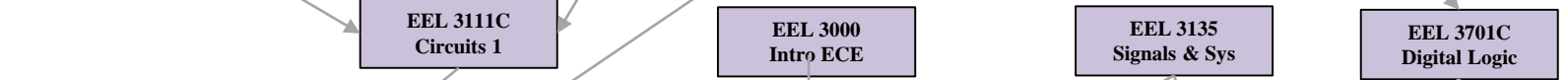
2015-2016 BSEE Curriculum: Electronics Depth Chart

Draft June 7, 2017

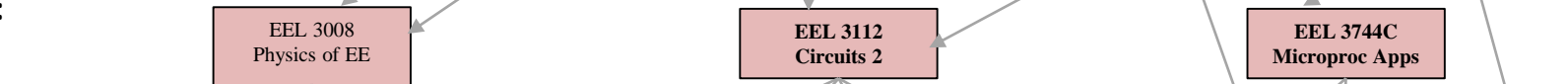
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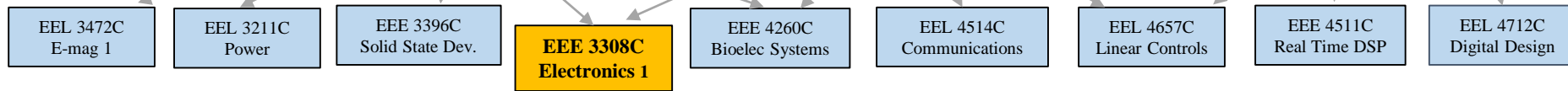
Introductory:



Foundational:



Breadth:
Select 3 courses



EEE3308C Electronics Depth Chart:

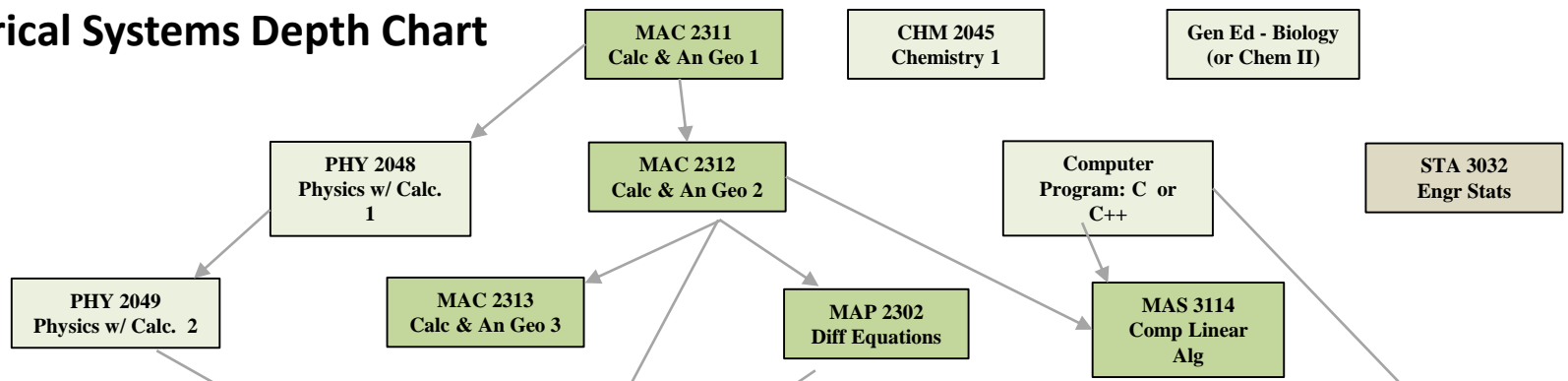
EEE4306/5320 Electronic Circuits 2
 EEE4310/5322 Digital Integrated Circuits
 EEE4373/5934 RF Electronics
 EEE4404/5408 Mixed IC Test
 EEL4242C/5317 Power Electronics
 EEL4930 IC Test 2

EEE5364 Fund. Data Convert
 EEE6321 Analog IC Design 2
 EEE6323 Digital IC Design 2
 EEE6328 Microwave IC
 EEE6374 RF CKts & Systems
 EEL6935 IC Test 2

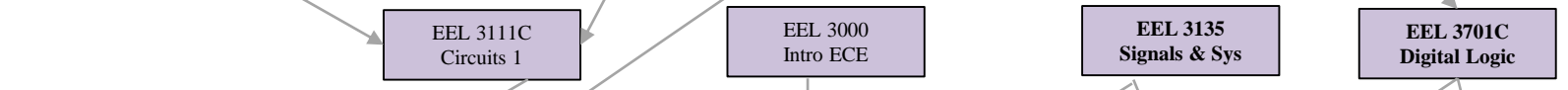
2015-2016 BSEE Curriculum: Bio-Electrical Systems Depth Chart

Draft June 7, 2016

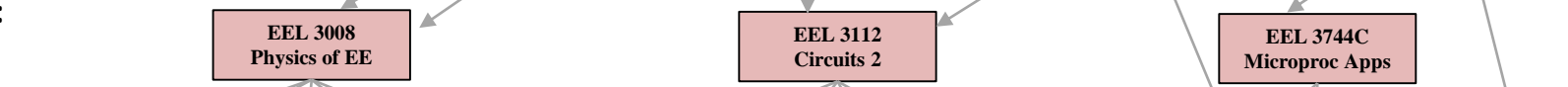
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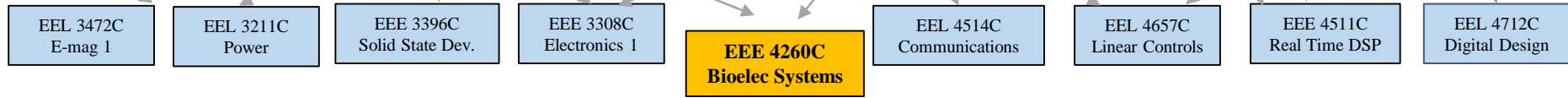
Introductory:



Foundational:



Breadth:
Select 3 courses



EEE4260C Bioelectrical Systems Depth Chart:

- EEL4930/5934 Biophotonics
- EEL6287 Brain Machine Interfaces
- BME4931 Neural Systems Model*
- BME4931 Neural Engineering*

2015-2016 BSEE Curriculum: Communication Systems Depth Chart

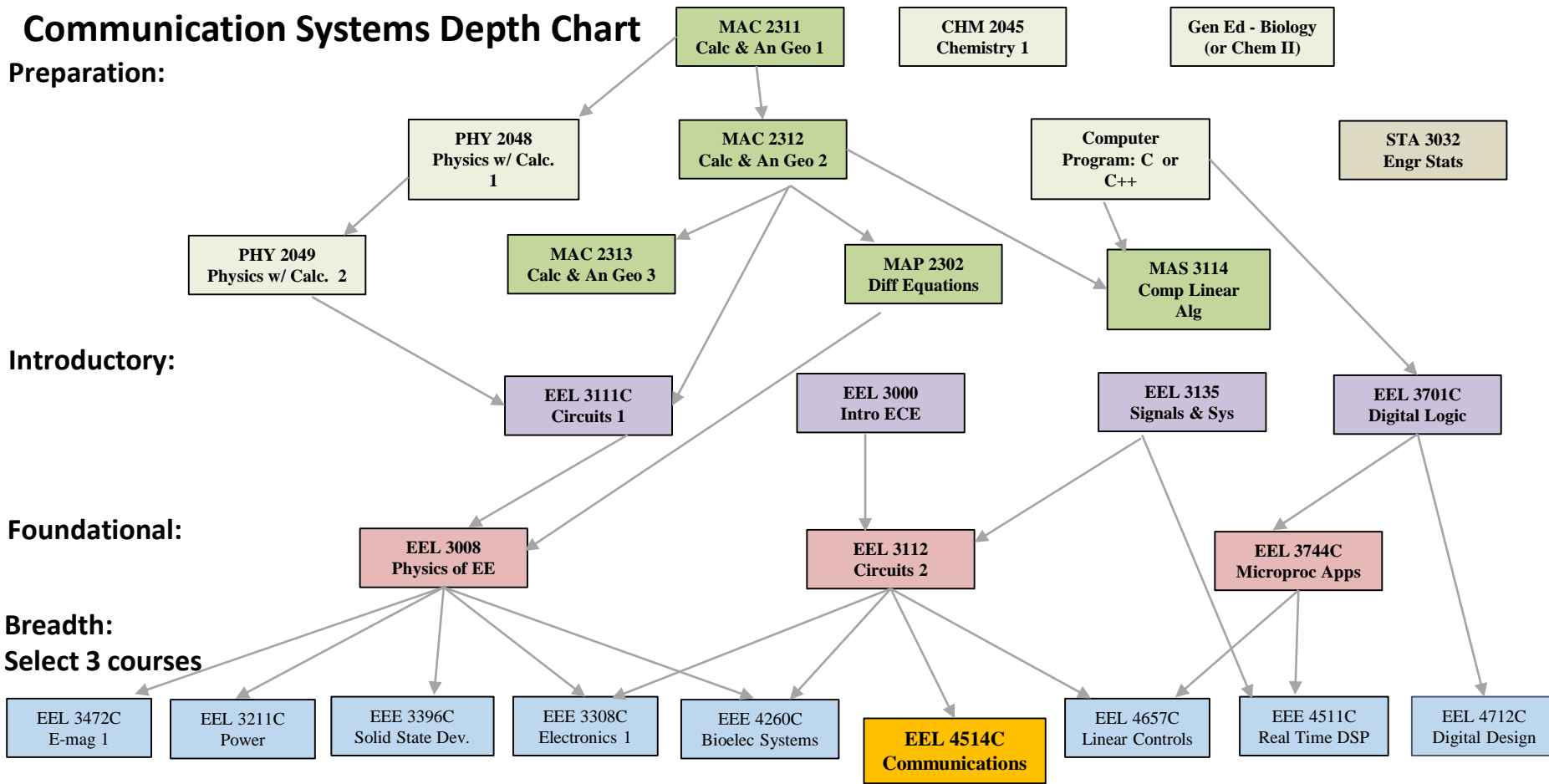
Draft June 7, 2016

Preparation:

Introductory:

Foundational:

Breadth:
Select 3 courses



EEL 4514C Communications Depth Chart:

EEL 4598/5718 Data Cpr Comm
EEL 4516/5544 Noise in Lin Sys
EEL 6591 Wireless Networks
EEL 6532 Info Theory
EEL 6533 Stat Dec Theory

EEL 6535 Digital Comm
EEL 6507 Queueing Theory
EEL 6509 Wireless Comm
EEL 6550 Error Cor Coding

2015-2016 BSEE Curriculum: Linear Controls Depth Chart

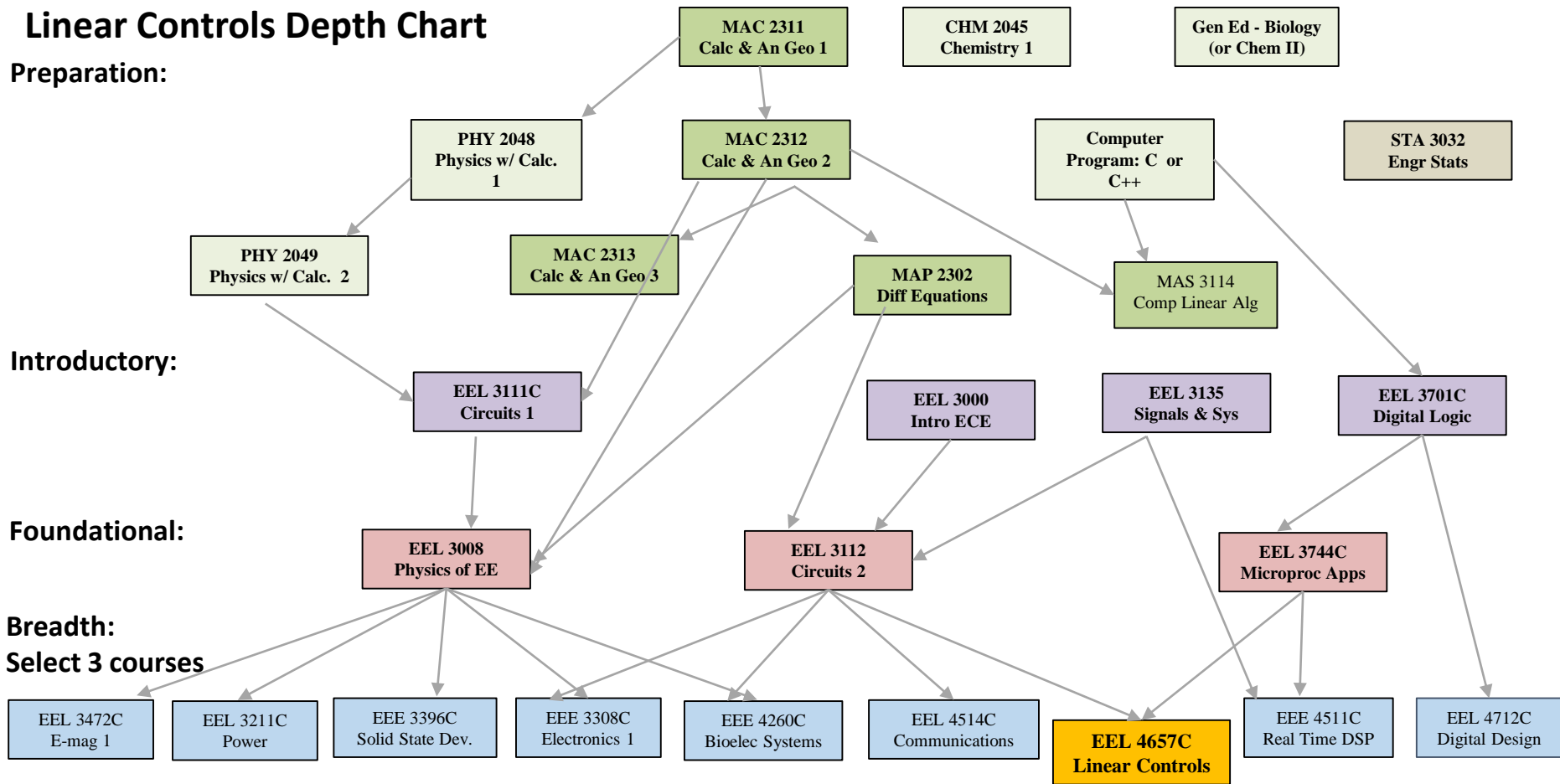
Draft June 7, 2016

Preparation:

Introductory:

Foundational:

Breadth:
Select 3 courses



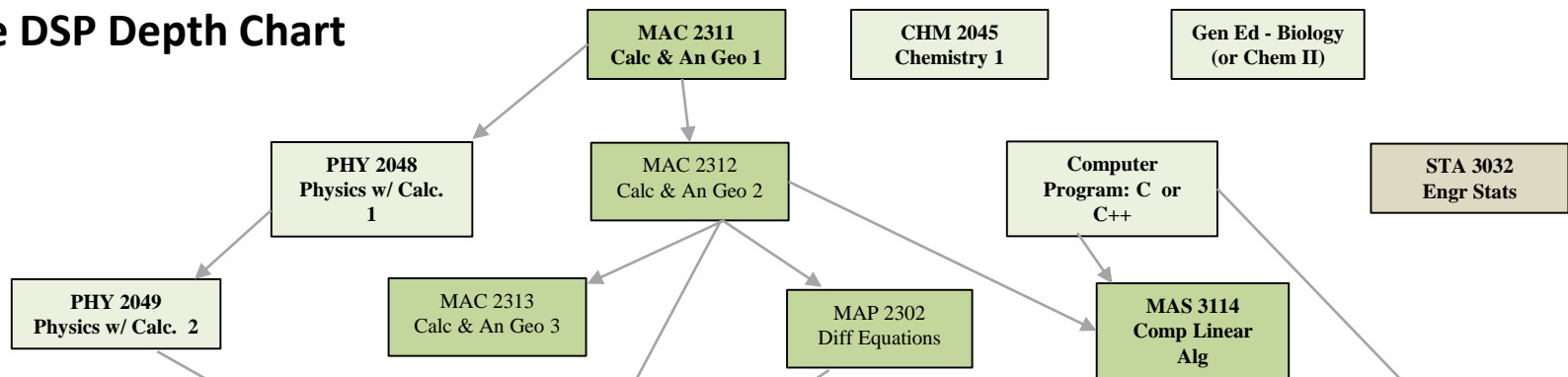
EEL 4657C Linear Controls Depth Chart:

- EEL4287/EEL5934- Smart Grid
- EEL 4610/5182 State Variable Meth
- EEL 6614 Modern Control Theory
- EEL 6617 Linear Multivar Control
- EEL 6619 Robust Control System

2015-2016 BSEE Curriculum: Real Time DSP Depth Chart

Draft June 7, 2016

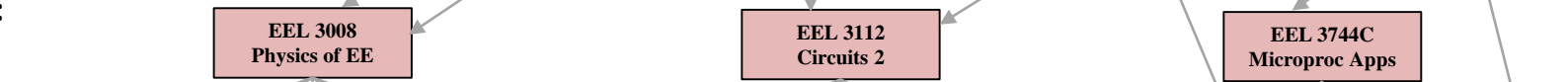
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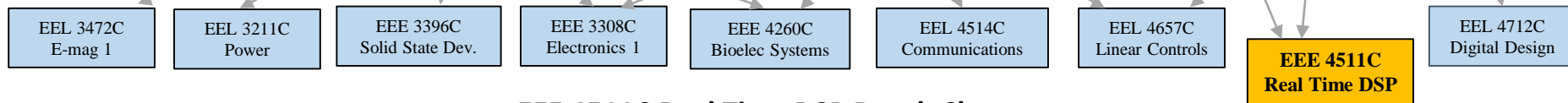
Introductory:



Foundational:



Breadth:
Select 3 courses

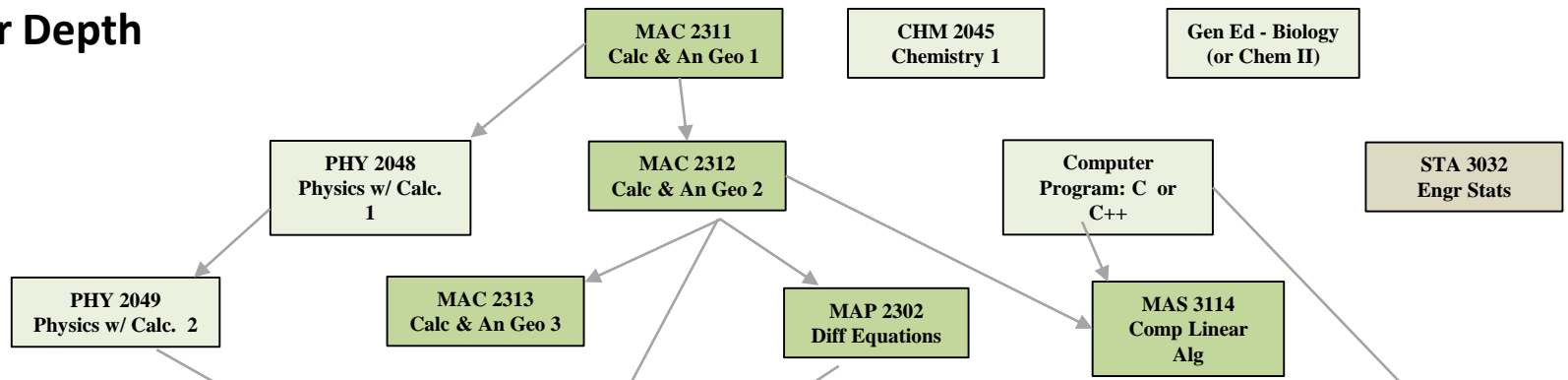


EEE 4511C Real Time DSP Depth Chart:

- EEE4750/EEE5502 Foundations of DSP
- EEE6287 Brain Machine Interface
- EEE6503 Digital Filtering
- EEE6586 Automatic Speech Proc.
- EEL6814 Neural Networks

Computer Depth

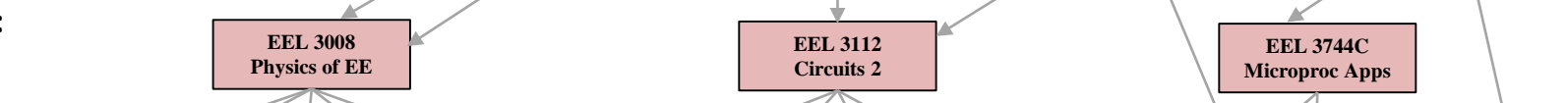
Preparation:



Introductory:

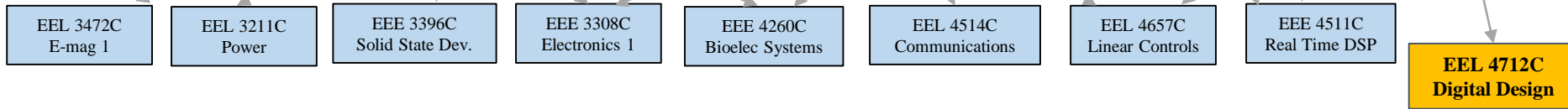


Foundational:



Breadth:

Select 3 courses



EEL 4712C Digital Design Depth Chart:

EEL 4713 Digital Comp. Arc
 EEL 4720/5721 Reconfig Cpr
 EEL 4736/5737 Prin Cpr Sys Design
 EEL 4930/5764 Computer Arch

EEL 6706 Fault Tolerant Cpr
 EEL 6763 Parallel Cpr Arch
 EEL6781 Automatic Cpr.
 EEL6892 Virtual Computers