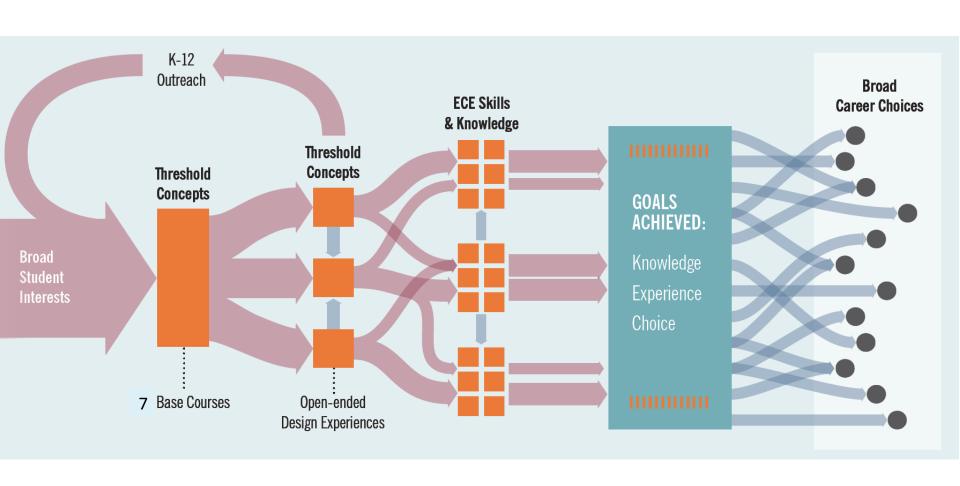
Virginia Tech ECE: Radically Expanding Pathways in PFE





STRARY EXCINERABLE DESIGN

THIRD YEAR

EE 314, 324, 334 Network Theory..... EE 315, 325, 335 Electromagnetic Fields.... EE316, 326, 336 Electronics EE317, 327 Instrumentation/Circuits Labo EE 319, 329 Electronics Laboratory..... Social Science Humanities Elective..... Phys 347 Foundations of Physics IV..... 2Math 419, 429, 439 Applied Math for Eng

Third Year

FIRST SEMESTER

EE 3105: EM Fields I EE 3204: Electronics II

EE 3274: Lab II EE 3305: Power I

EE 3714: Circuits, Signals, Systems Stat 4714: Statistics/Probability or Math 4554: Numerical Analysis

Humanities Electivel

SECOND SEMESTER

EE 3306: Power II

EE 3354: Lab III

Engl 3764: Technical Writing

Humanities Electivel

Junior Year

Fall Semester

ECE 3004 AC Circuit Analysis - 3C Prereg: 2704

Co-req: 3074

ECE 3074

AC Circ Analy Lab -

Coreq: 3004

Electromag Fields -

1C

Cont & Disc Sys - 3C

Prereg: 2704

Probability & Prereq: MATH 2224

Technical Writing -

Prereg: 2074

ECE 3105

Prereq: PHYS 2306, MATH 2224 or MATH 2224H, ECE 2004 or

ECE 2004H

ECE 3704

STAT 4714

Statistics for EE - 3C

ENGL 3764

3C

Spring Semester

ECE 3106

Electromag Fields II -

3C

Prereq: 3105

ECE 3204

Analog Electronics -

Prereg: 2204 Coreq: 3274

ECE 3274

Electrnc Circ Lab II -

1C

Prereg: 2274, 3074

Co-req: 3204

ECE 3304

Intro Power Sys - 3C

Prereq: 3004

ECE 3354 Power Lab - 3C

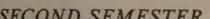
Co-reg: 3304

ECE 3614

Intro Comm Sys - 3C Prereg: 2704, STAT

4714

CLE Area 6

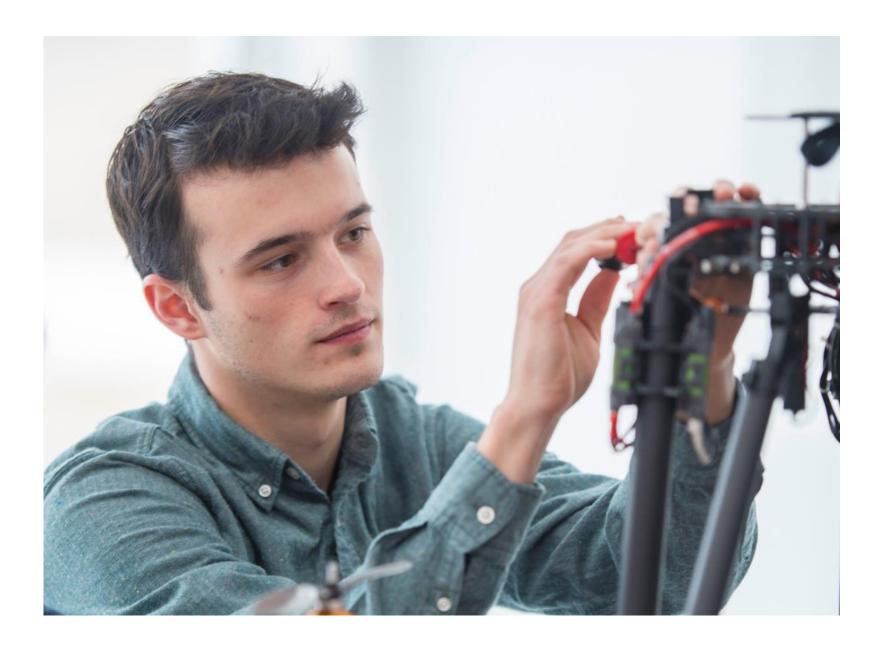


EE 3106: EM Fields II

EE 3604: Communication Systems

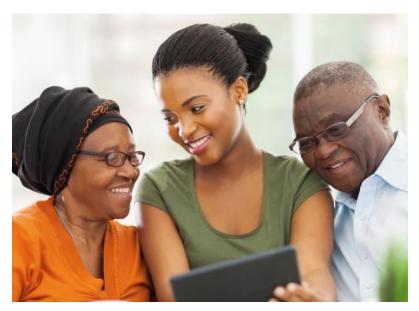
Math 4374 Vector analysis

1971 1989 2016











Missing? What's

- o RIGOR (not necessorily.)
 - o Modeling of Engineering Method. Design, Analysis, Implementation.
 - o Real Time VS. Pseudo Real Time V Result of temperature and time on electronics (ICI, Ri, Ci, Lis, ...)

 - 0 B o Refrences + Regulators



ECE PEOPLE

ECE Faculty Honors

NATIONAL ACADEMY OF ENGINEERING

IEEE FELLOWS

R. Michael Buehrer

(2017)

For contributions to wideband signal processing in communications and geolocation.

Jung-Min (Jerry) Park

(2017)

For contributions to dynamic spectrum sharing, cognitive radio networks, and security issues.

Theresa Mayer

(2017)

For contributions to nano materials integration and directed assembly.

Luiz Da Silva

(2016)

For contributions to cognitive networks and resource management for wireless networks.



Engineering researcher honored at White House for advancing e-textiles

27, 2006



I amine Mili (2016)





Virginia Tech preps for largest freshman class in school history, faces housing crunch

By Robby Korth robby.korth@roanoke.com (540) 381-1679 Jul 15, 2017 🔍 (5)



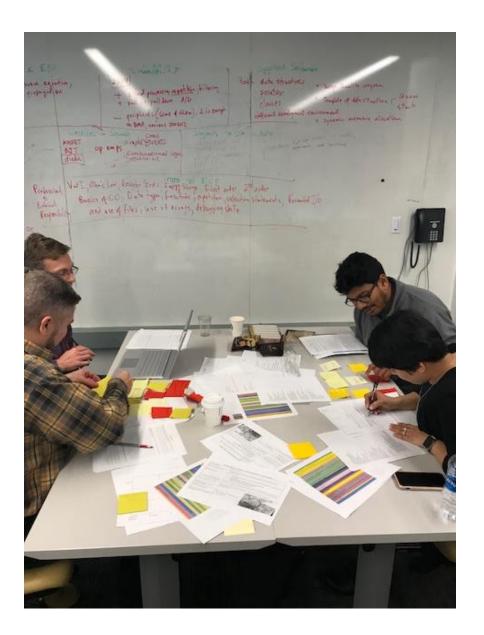


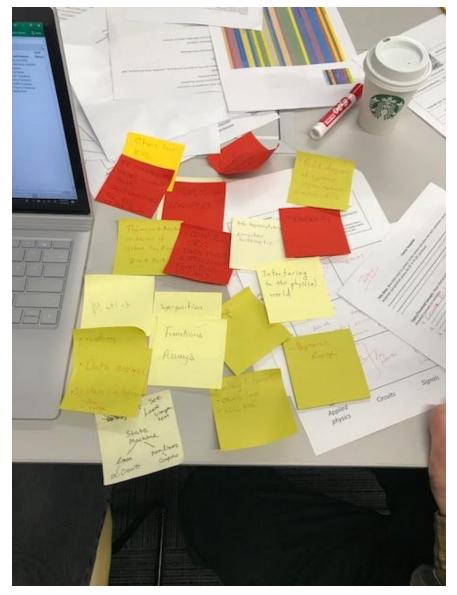


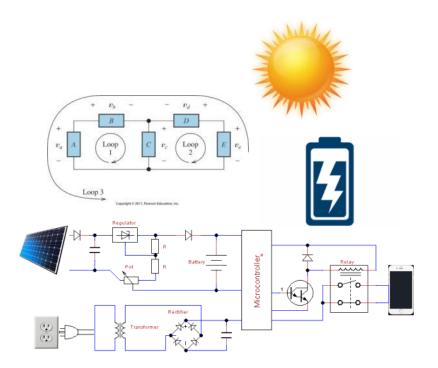


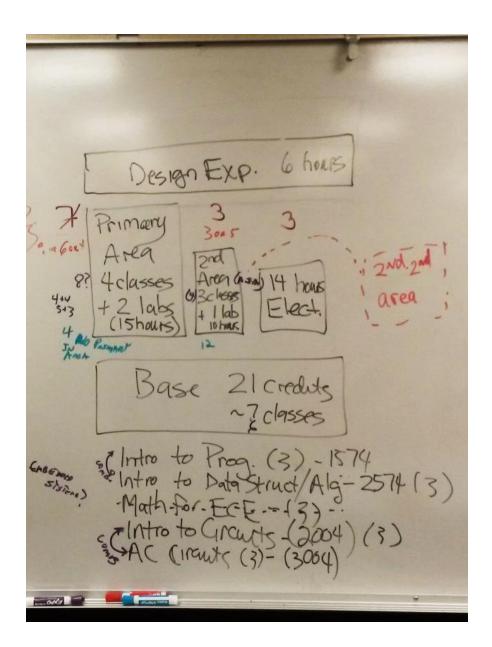


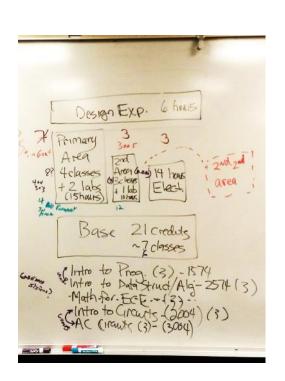












Virginia Tech preps for largest freshman class in school history, faces housing crunch

By Robby Korth robby.korth@roanoke.com (540) 381-1679 Jul 15, 2017 🔩 (5)













DESIGN TEAM

CORE FACULTY



David Bieri



Mark Embree



Paul Heilker



James Ivory



Paul Knox



Kim Filer



Sylvester Johnson



Lara Khansa



Luke Lester



Nikki Lewis



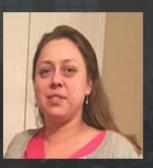
Tom Martin



Thanassis Rikakis



Akshay Sharma



Anne-Lise Velez