MENTOR’S NOTES – Fall 2018 for Spring 2019

1. APPROVED TECH ELECTIVES (BEYOND THE FORMAL LIST):

   **Computer Science for Spring 2019**
   
   CS 498 – Special Topics count as tech electives (approval details in parenthesis)
   
   - AB/AL – Digital Forensics II
   - AML – Applied Machine Learning (also an **advanced computing elective**)
   - MS – Parallel Algorithms
   - PS – Audio Computing Lab (SP18)
   - TC – Computational Geometry
   - DSO – Cloud Computing Applications (also an **advanced computing elective**, SP18)
   - VR – Virtual Reality (also an **advanced computing elective**, SP18)

   **Electrical and Computer Engineering**
   
   ECE 498– Special Topics count as tech electives
   
   - LV – Social Networks (SP18)
   - DSE – Data Sciences (SP18)
   - YV – Silicon Integrated Photonics (SP18)

   **Others:**
   
   - Math 499 ECC – Error Correcting Coding (SP18)
   - Info 490 RB2 – *Advanced* Data Science (SP18)

2. FIRST-OFFERING ECE COURSE:

   **ECE 398 SC** – Smart Contracts and Blockchain Security; Andrew Miller
   
   Part-of-Term B, class begins March 11, 2019 – May 1, 2019; 2 hours; prerequisite ECE 220.

3. NEW General Education requirement for students entering Fall 2018 and later

   1 US Minority course

4. GENERAL ENGINEERING IS NOW SYSTEMS ENGINEERING AND DESIGN (SED)

   GE ### courses are now listed as SE ###

5. JUNIOR ELIGIBILITY RULE:

   [https://ece.illinois.edu/academics/ugrad/advising-tips/junior225.asp](https://ece.illinois.edu/academics/ugrad/advising-tips/junior225.asp)

6. REFFERALS TO ADVISING:

   ece-advisor@illinois.edu

   Welcome New Advisors: Joan Brown and Molly Helgesen
   
   Sarah McDougal has retired and David Varodayan is no longer with ECE

7. UNDERGRADUATES INTERESTED IN RESEARCH

   College of Engineering Programs

   a. IEFX – Illinois Engineering First-Year Experience
   
   IEFX Course Electives [http://iefx.engineering.illinois.edu/courses/iefx-electives/](http://iefx.engineering.illinois.edu/courses/iefx-electives/)
b. Illinois at Engineering Research Programs
   https://engineering.illinois.edu/research/undergraduate/
   ISUR – Illinois Scholars Undergraduate Research Program
   MUSE – Mentoring Undergraduates in Science and Engineerin
   PURE – Promoting Undergraduate Research in Engineering

c. Research Internships –
   https://engineering.illinois.edu/research/undergraduate/research_internships.html

d. Summer Research -
   https://engineering.illinois.edu/research/undergraduate/summer_research.html

NCSA – SPIN – summer internships (National Center for Super Computing Applications)
   http://spin.ncsa.illinois.edu/

SPEAK WITH PROFESSORS ABOUT RESEARCH POSSIBILITIES

8. Reminder:
   CARE – CENTER FOR ACADEMIC RESOURCES IN ENGINEERING
   There is help in 100-, 200-, and even some 300-level courses in Math, Physics, ECE and more
   offered by CARE on the fourth floor of Grainger Library. See
   http://publish.illinois.edu/engineering-care/ for details.