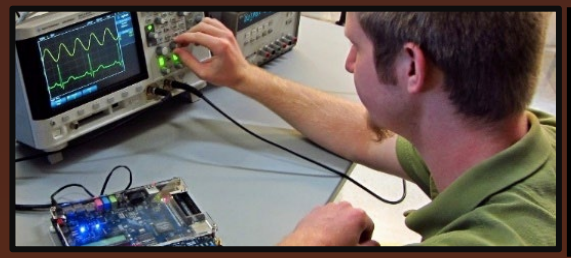
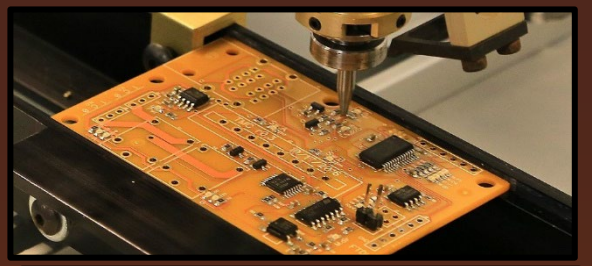
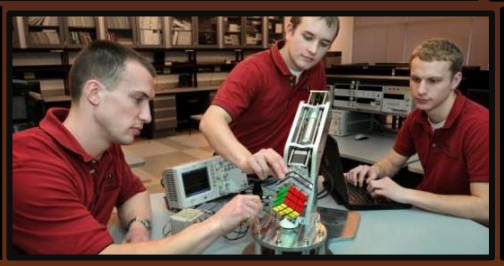
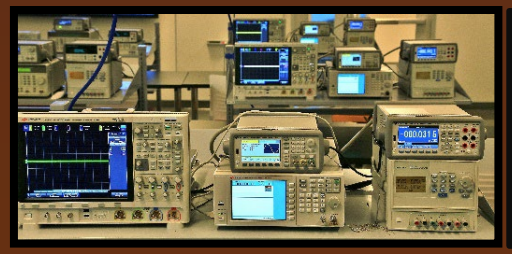
Rowan University










Electrical & Computer Engineering (ECE)

Future Is What We Do

WELCOME!

New Student Orientation

Summer 2023

Rowan University

Accredited by

ABET Engineering Accreditation Commission

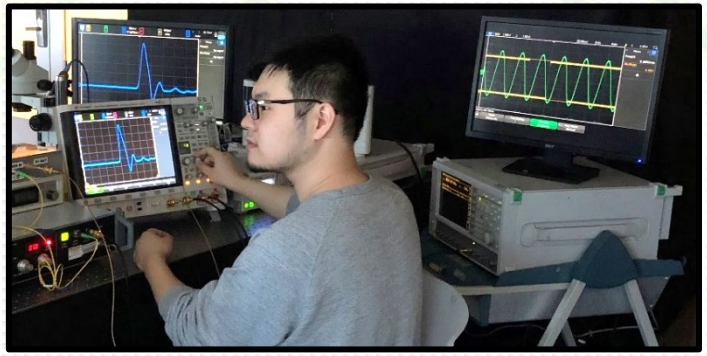
✉ Engineering Hall, 600 N. Campus Dr., Glassboro, NJ 08028

☎ (856) 256-5362 www.rowan.edu/ece

WELCOME

- Your new home for learning, adventure, building lifelong relationships and collaborations, and becoming a Rowan Engineer

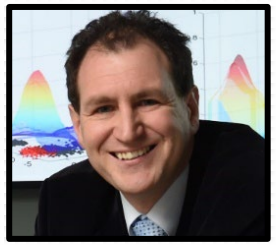
- ECE Department: 3rd Floor, Engineering Hall (EH)
- ECE Admin Suite: EH 346
  - **Program assistant: Mrs. Nancy Stein, stein@rowan.edu**
  - **Phone: 856 256-5362**
- ECE Undergraduate Coordinator:
  - **Dr. Gina Tang, EH 331, tang@rowan.edu**
- ECE Technologist:
  - **Mr. Karl Dyer, EH 317, dyerk@rowan.edu**
- ECE Department Head:
  - **Dr. Robi Polikar EH 346B, polikar@rowan.edu**



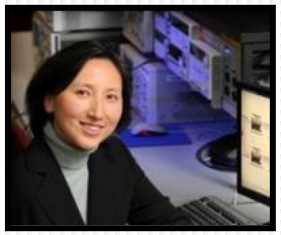
INTRODUCTIONS

- Your name
- Where are you from?
- Some interesting fact about you that you would like others to know
- Why are you here? Why did you choose Rowan?

ECE Faculty & Staff (1)



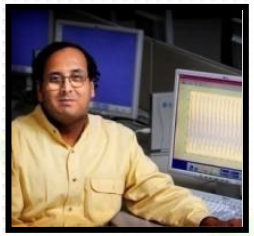
Dr. Robi Polikar, Dept. Head
Computational intelligence, machine learning and signal processing



Dr. Gina Tang, Assoc. Chair
Computer networking operational research Augmented reality

Dr. Nidhal Bouaynaya
Assoc. Dean / Research
Complex and dynamical systems,optimization

Dr. John Schmalzel,
Founding Chair
Smart sensors and systems, smart-grid



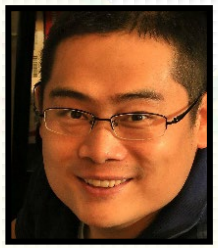
Dr. Ravi Ramachandran
Speech processing, digital signal processing, speaker identification, xplainable AI

Dr. Jie Li
Power Systems, Microgrid, Power Distribution, Control Systems

Dr. Dwaipayan Chakraborty
Computer architecture, electronic design automation, post-Moore architectures

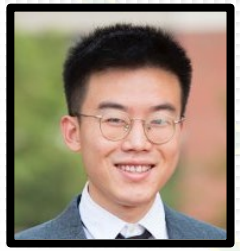
Dr. Hua Zhang
Power electronics, wireless power transfer

Mr. Russell Trafford
Digital and embedded systems, microprocessors, control systems



Dr. Ben Wu
Communications, cyber-physical systems, ultra-fast signal processing

Dr. Greg Ditzler
Machine Learning, control systems



Dr. Huaxia Wang
Wireless Comm., Image Processing, Machine Learning, V2X Systems

Dr. Michael Mauk
Electromagnetics, circuits, photonics, reliability eng.

ECE Faculty & Staff (2)

Rowan University

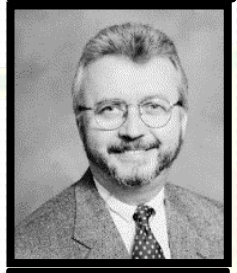
Dr. Hussein Hanafi
Microelectronics, VLSI systems, Power electronics

Dr. Jannatun Naher
Digital and Embedded systems, Computer architecture

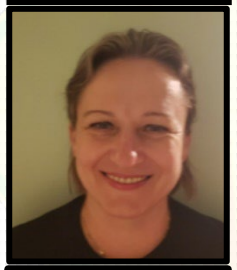
Mr. Adam Fifth
Electromagnetics, VLSI Design, Aerospace Systems

Dr. Muhammed Umer
Circuits, Digital Signal Processing, Communications, Machine Learning

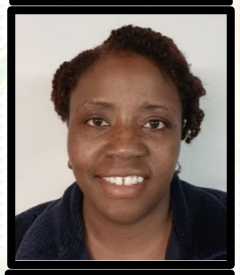
Mr. Ingar Blosfeld
Lockheed Martin
Radar Systems



Dr. Bernie Pietrucha
Electric circuits, electronics

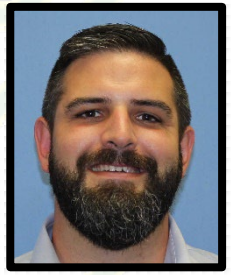


Ms. Katalin Frolio
Lockheed Martin
Electric circuits, electronics, radar systems



Dr. Cortney Bolden
Electronics, Rapid Prototyping, Fabrication, Control Systems

Mr. Ajay Koliwad
Embedded Systems, Internet of Things



Mr. Mark Roman
NavSea
Cybersecurity, Model Based Systems Engineering

Mr. Rich Pedersen
Lockheed Martin Fellow
Systems Engineering

Dr. Todd Schuck
Lockheed Martin Fellow
Systems Engineering

Mr. Karl Dyer
Technical Support

Ms. Nancy Stein
Program Assistant

College of Engineering Leadership

Dr. Giuseppe R. Palmese
Dean of Engineering

Dr. Steven Chin
Vice Dean of engineering

2023 ECE Facts & Figures

- Average SAT for 2023 applicants: 1315
- Number of applications for Fall 2023: ~425
- Expected size of Fall 2023 Freshman + transfer class: 96 (83 + 13 transfers)
- Total number of students in ECE: ~380
- Engineering retention rate: 90%
- ECE placement rate: 95-100%
- Average starting salary: $62,150 (2012)→$65,000 (2015) → $72,000 (2020) → 80,000 (2023)
  - **Average starting salary for ECE MS students: ~$80-90K**
- Faculty & staff:
  - 13 full-time tenure / tenure track faculty, 14 part time faculty;
  - 1 administrative support staff and 1 technical support staff
  - 1 new full-time tenure-track faculty members will be joining us every year for the next several years.

Rowan ECE Curriculum - Advising & Progress Sheet w/Rowan Core

Effective Fall 2021

FALL	CR	Semester Completed	Grade	SPRING	CR	Semester Completed	Grade
FIRST YEAR							
First-Year Engineering Clinic I (ENGR 01.101)(RS)	2			First-Year Engineering Clinic II (ENGR 01.102)	2		
ECE: Solving Tomorrow's Problems (ECE 09.101)	2			College Composition I (COMP 01.111)[2] - **COMM**	3		
Calculus I (MATH 01.130)[1,2] **QUANTITATIVE**	4			**Calculus II (MATH 01.131)[1]**	4		
Intro. Mechanics I (PHYS 00.220)[2] **SCIENTIFIC**	4			**Intro Elec. & Mag. (PHYS 00.222)[1]**	4		
Computer Sci. & Prog (CS 04.103)	4			Intro. to Digital Systems (ECE 09.241)	2		
Total Units	16			Total Units	15		
SECOND YEAR							
Sophomore Engineering Clinic I (ENGR 01.201)[2] (with College Composition II) **COMM**	4			Sophomore Engineering Clinic II (ENGR 01.202)[2] (with Public Speaking) **COMM**	4		
Calculus III (MATH 01.230)[1]	4			Math for Eng. Analysis I (MATH 01.235)[3]	4		
Computer Architecture (ECE 09.243)[1]	3			Principles of Data Structures (CS 04.225)	3		
Electrical Circuit Analysis (ECE 09.203)[1]	4			Embedded Systems (ECE 09.342)	3		
				Electronics I (ECE 09.311)	3		
Total Units	15			Total Units	17		
THIRD YEAR							
Junior Engineering Clinic (ENGR 01.303)	2			Junior Engineering Clinic (ENGR 01.303)	2		
Signals & Systems (ECE 09.341)[1]	2			Systems & Control I (ECE 09.321)	3		
Science Elective[4]	4			Digital Signal Processing (ECE 09.351)	3		
Engineering Electromagnetics (ECE 09.303)	3			Modules in ECE (ECE 09.363)	1		
Mech. Engineering for ECEs (ME 10.320)[5]	3			ECE Technical Elective[7]	3		
Business Elective[6] **(Non program requirement)**	3			Prob & Stat for ECE (STAT 02.286) **(Non program)**	3		
Total Units	17			Total Units	15		
FOURTH YEAR							
Senior Engineering Clinic (ENGR 01.403)(WI)	2			Senior Engineering Clinic (ENGR 01.403)(WI)	2		
VLSI Design (ECE 09.414)	3			Engineering Clinic Consultant (ECE 09.461)	1		
Electrical Communication Systems (ECE 09.433)	3			Seminar: Frontiers (ECE 09.498)	1		
ECE Technical Elective[7]	3			ECE Technical Elective[7]	3		
ECE Technical Elective[7]	3			ECE Technical Elective[7]	3		
Rowan Core[2]	*3*			Rowan Core[2]	3		
				Rowan Core[2]	3		
Total Units	17			Total Units	16		

Curriculum

- This is one of the most important and critical documents you will need.
- Get the Advising & Progress sheet and complete it as you go through the program.
- Direct link QR code:

Scan for Advising & Progress Sheet

- ECE curriculum is always evolving. There may be minor changes to this curriculum – if and when that happens, you will be informed immediately.

Out of Discipline Requirement	NA		NA

Curriculum Details

- Courses listed in boldface need to be completed with a minimum grade higher than D+ (C or C-, depending on the course) to satisfy the prerequisites of one or more subsequent courses.
- Rowan Core requires six literacies: Communication, Quantitative, Scientific, Artistic, Global, Humanistic. The first three are satisfied by major courses. The remaining three must be taken from the appropriate bank of courses, one of which must carry the "Literature" attribute. Some business electives may satisfy HUML requirement.

- Science Elective: CHEM 06.100 College Chemistry I, BIOL 01.112 General Biology, Environmental Focus, BIOL 01.113 General Biology, Human Focus; BIOL 01.115 General Biology – Plants and People; BIOL 10.210 Human Anatomy and Physiology; PHYS 00300 Modern Physics; PHYS 00221 Introductory Thermo, Fluid, Wave and Optics.
- ECE electives are 400-level ECE courses that are not otherwise required as part of the ECE core curriculum. One non-ECE course may be taken toward ECE electives requirements if it is a relevant 400-level course. Most 400-level engineering courses qualify, but please check with ECE Dept. Head before registering if you want to take a non-ECE class towards ECE elective requirements.

- OOD / Multidisciplinary experience requirement can be satisfied by either
  a. Participating in one out-of-discipline clinic project
  b. Providing consulting services to a non-ECE clinic or another research project through Clinic Consultant;
  c. Taking a non-ECE class as an elective, or an elective offered by the ECE Department but one that is clearly outside of the traditional boundaries of ECE providing non-ECE content (such as bioinformatics, biomedical systems and devices)
  d. Completing a Minor in any field (which automatically satisfies item (c) above)

Rowan University

2023 - ECE Curriculum Flow Chart

Electrical & Computer Engineering

Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI	Semester VII	Semester VIII
ENGR 01.101 First Year Eng. Clinic I (1-1)	ENGR 01.102 First Year Eng Clinic II (1-1)	ENGR 01.201 Soph. Eng. Clinic I (3-1)	ENGR 01.202 Soph. Eng. Clinic II (3-1)	ENGR 01.303 Jun. Eng. Clinic (0-2)	(x2) ENGR 01.303 Jun. Eng. Clinic (0-2)	ENGR 01.403 Sen. Eng. Clinic (0-2)	(x2) ENGR 01.403 Sen. Eng. Clinic (0-2)
MATH 01.130 Calculus I (4-0)	C- MATH 01.131 Calculus II (4-0)	C- MATH 01.230 Calculus III (4-0)	C- MATH 01.235 Math Eng. Analysis (4-0)	ECE 09.341 Signals & Systems (1-1)	C ECE 09.321 Systems & Control I (2-1)	Varies ECE 09.4XX ECE Elective (3-0)	ECE 09.461 ECE Clinic Consultant (0-1)
PHYS 00.220 Intro. to Mechanics (3-1)	PHYS 00.222 Intro. to Elec&Magn (3-1)	A Break! Make It Count (0-0)	CS 04.225 Prin. of Data Struc. (3-0)	ME 10.320 ME for ECEs (2-1)	C ECE 09.351 Dig. Signal Processing (2-1)	ECE 09.433 El. Comm. Systems (2-1)	Varies ECE 09.4XX ECE Elective (3-0)
CS 04.103 Comp. Sci. & Program. (4-0)	COMP 01.111 College Comp I (3-0)	C ECE 09.203 P. E. Circuit Analysis (3-1)	C ECE 09.311 Electronics I (2-1)	ECE 09.303 Electro-magnetics (2-1)	ECE 09.363 Modules in ECE (1-0)	Varies ECE 09.4XX ECE Elective (3-0)	Varies ECE 09.4XX ECE Elective (3-0)
ECE 09.101 ECE: Solving Tomorrow's Probl. (1-1)	ECE 09.241 Intro. to Digital Sys. (1-1)	ECE 09.243 Computer Architecture (2-1)	C ECE 09.342 Embedded Systems (2-1)	Varies SCIENCE Science Elective (3-1)	Varies ECE 09.4XX ECE Elective (3-0)	ECE 09.414 VLSI Design (2-1)	ECE 09.498 Eng. Frontiers (1-0)
				BUS *** Business Elective (3-0)	STAT 02 286 Prob & Stat for ECEs (3-0)	*** Rowan Core (3-0)	*** Rowan Core (3-0)
							*** Rowan Core (3-0)

- Engineering Clinics
- Mathematics
- Physical & Eng. Sciences
- Electrical Eng. Core
- Signals & Systems Core
- Computer Eng. Core
- Rowan Core
- ECE Cross Cutting

Min. Prereq. Grade Required: C

Pre-requisite

Co-requisite

Course (hegis) number: ECE 09.XYZ Course Name (2-1)

A project class to be taken twice. Same prerequisites apply to each. (x2)

Lect. – Lab credit hours

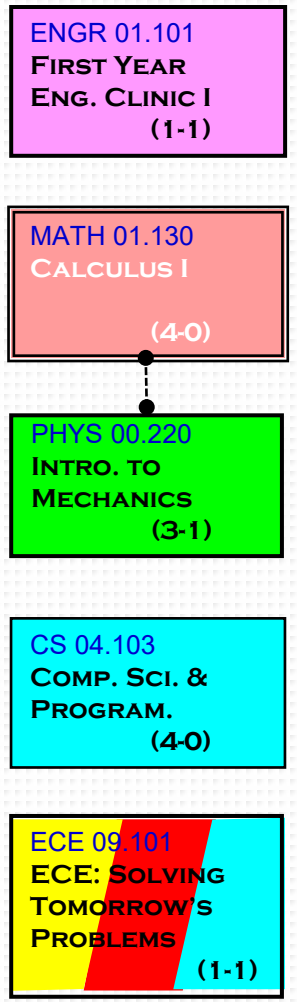
Double frame indicates the class carries a minimum grade requirement to advance to certain other classes

← Scan for Flowchart

This is the projected ECE curriculum for AY 2023-24. ECE Department works continuously to improve curriculum, hence future / final curriculum may differ from this. In case of typographical errors, the Banner record is official.

Your First Semester

- You will be pre-registered for your first semester courses
  - This is the first and the last time you will be pre-registered for your courses.
  - Starting for Spring semester (sometime in October), you will register on your own.
    - **Make sure to visit your advisor each semester before registering to ensure that you are on track and you are taking the correct courses.**
    - **Also keep a copy of the Advising & Progress sheet with you at all times.**
- Make sure that you are registered for these first semester courses
  - You will later be able to make adjustments if you need to – for example, if you have AP credits or college credits for any of these courses. See Ms. Maria Perez Colon.
- To see your current registration, visit www.rowan.edu/selfservice



Transfer Credit / AP Credits

- If you have taken a college level class, that class may be used to satisfy ECE program requirements. Let your advisor know, if the course has not already transferred.
- AP Credits transfer based on university established guidelines, available at https://sites.rowan.edu/registrar/transferring-credits/index.html and https://sites.rowan.edu/registrar/_docs/ap-equivalent-guide-updated-9-30-21.pdf

AP 66	**Math & Computer Science**	**Calculus AB**	3	MATH 01075	GE Math Elective	3
	Math & Computer Science		4 or 5	MATH 01130	Calculus I (QNTL)	4
AP 69	**Math & Computer Science**	**Calculus BC**	Score of **3** and subscore of 4 or 5	MATH 01130	Calculus I (QNTL)	4
AP 68	**Math & Computer Science**		4 or 5	MATH 01130 & MATH 01131	Calculus I (QNTL) & Calculus II	8
AP83-84	**Sciences**	**Both Physics 1 & 2** *(Must take both tests and present for review together.)*	4 or 5	PHYS 00210 & PHYS 00211	Physics I & Physics II (SCIL)	8
AP 82	**Sciences**	**Physics C: Electricity and Magnetism**	4 or 5	PHYS 00222	Intro to Electricity/Magnetism (SCIL)	4
AP 80	**Sciences**	**Physics C: Mechanics**	4 or 5	PHYS 00220	Introductory Mechanics (SCIL)	4

Advising & Help

- If you start struggling on any issue: seek assistance immediately, do not wait until it becomes a problem. The earlier you seek help, the easier the solution!
- First-year advisors: Ms. Maria Perez-Colon, perezcolon@rowan.edu, Ms. Patty Dashefsky, dashefskyp@rowan.edu
  - **But, first send an e-mail to engr-advising@rowan.edu with your request, email must include full name and Banner ID.**
- ECE specific curriculum issues: Dr. Gina Tang, UG Coordinator, tang@rowan.edu
- Advising page on department webpage:
  - https://academics.rowan.edu/engineering/programs/electricalcomputer/advising/index.html
- General engineering advising: https://engineering.rowan.edu/current_students/advising/
- University Academic Advising & Support: https://sites.rowan.edu/student-success/advising/
- Student Self Service (registration, transcript, etc.): **www.rowan.edu/selfservice**
- Department webpage: **www.rowan.edu/ece**
- You are **always** welcome to visit the UG program chair, Dr. Gina Tang (tang@rowan.edu) and/or Dept. Head with any questions: Dr. Robi Polikar, 346B, polikar@rowan.edu

Registration related Help

- Office of the Registrar: www.rowan.edu/registrar
- See the following resources:
  - How to register - https://sites.rowan.edu/registrar/registration-information/how-to-register1/
  - Section Tally: https://banner.rowan.edu/reports/reports.pl?task=Section_Tally where all courses are listed for each semester
    - **How to use Section Tally to search for courses:** https://sites.rowan.edu/registrar/_docs/navigate-section-tally.pdf
  - Dates and deadlines: https://sites.rowan.edu/registrar/registration-information/registration-dates.html
    - **Fall 23:** https://sites.rowan.edu/registrar/_docs/fall-2023-4-3-23.pdf
  - Transferring credits: https://sites.rowan.edu/registrar/transferring-credits/
    - **AP Credits:** https://sites.rowan.edu/registrar/transferring-credits/non-traditional-transfer-credits.html
  - Registrar Forms: https://sites.rowan.edu/registrar/forms1/index.html
    - **Registration related forms:** https://sites.rowan.edu/registrar/forms1/registration-related-forms.html

↑Scan for ↑
Office of Registrar

Using Degree Works

- You can use Degree Works shows all graduation requirements and your progress towards those requirements. It also shows any concentration or minor requirements, as well as several other useful information, including “what if analysis.”
  - To get to Degree Works: Self Service → Student tab→ Student Records → Degree Works
- Training material for Degree Works:
  - https://sites.rowan.edu/registrar/degreeworks/dw-training-for-students.html
- IMPORTANT DISCLAIMER:
  - Degree Works is not perfect, and does not know all scenarios or exceptions. You are encouraged to use this degree audit report as a guide when planning your progress toward completion of the above requirements. Your academic advisor or the Registrar's Office may be contacted for assistance in interpreting this report. This audit is not your academic transcript and is not official notification of completion of degree or certificate requirements.

Wellness, Counseling and Disability Help

For any and all health-related issues (body & mind), there are several campus resources available to you. Take advantage of them. There is no reason for you to hesitate, feel ashamed to contact the good folks who are at these offices to help you.

- Wellness Center: https://sites.rowan.edu/wellness/
- Counseling & Psychological Services:
  https://sites.rowan.edu/wellness/counseling
  https://sites.rowan.edu/wellness/counseling/services/
- Accessibility Resources:
  https://sites.rowan.edu/accessibilityservices/

Scan for → Wellness Center

Other Curricular Options

- The following are optional, additional curricular programs available to you.
  - Concentrations, Co-op & Certificate Programs
    - **Minor in Systems Engineering**
    - **Certificate of Undergraduate Studies in Combat Systems Engineering (CSE)**
    - **Certificate of Undergraduate Studies in Machine Learning**
    - **Certificate of Undergraduate Studies in Power Systems**
    - **Certificate of Undergraduate Studies in Cybersecurity Engineering**
    - **Certificate of Undergraduate Studies in Wind Energy Systems**
    - **Co-op at Lockheed Martin (Requires CSE certificate)**
    - **Co-op at Atlantic City Electric (Requires Power Systems certificate)**
    - **4+1 BS/MS Degree and Senior Privilege**

Scan for CUGS →

←Scan for 4+1 BS/MS

  - Additional information for these can be found at on our webpage: www.rowan.edu/ece → Undergraduate Programs → Minors, CUGS, Combined BS/MS Programs

  - Popular Minor programs for ECE students
    - **Computer Science**
    - **Math**
    - **Physics**
    - **Mechanical Engineering**

Being Successful at Rowan ECE

- First, ignore naysayers and doomsayers, who argue that engineering is very difficult.
  - Engineering is not any more difficult than many other disciplines, but it does require hard work, critical thinking, good time management

https://www.youtube.com/watch?v=VUk6LXRZMMk&t=37s

- **Time management is critical** – Be smart, methodical, and timely in your studies.
- Stay on top of your classes - It is easier than catching up if you fall behind.
  - Helpful tip
    - At a minimum, take a critical and honest look at each assignment on the evening that is assigned
    - Try to understand how long it will take to complete it
    - Make a plan, write it down.
    - Make sure to account for unexpected delays

Being Successful at Rowan ECE

- Biggest and common mistake for those who fall behind:
  - Having enjoyed being at or near the top of your class throughout high school, you believe the same amount time/method for being successful in HS is also what is needed in college.
- University classes are different than high school. You may need to change the way you are used to learn.
  - Do not expect the professor to tell you everything you need to know.
    - **That is not how learning happens in life. Be prepared to play a much more active role in your own learning.**
  - Do not expect the problems assigned to be similar to what is done in class.
    - **None of the problems you encounter in your career will be similar to a problem solved in a book or class.**
  - Your professor will guide you, and will teach you how to think critically and how to learn, but you will need to read, explore, investigate, try, fail, try again, ask questions and find answers to solve problems.
- Academic dishonesty is not tolerated. The consequences are serious and lasting. Don't even think about it! See Rowan academic integrity policy: https://confluence.rowan.edu/display/POLICY/Academic+Integrity+Policy

Being Successful at Rowan ECE

- Be aware of distractors
  - Make sure to balance your time with curricular, extracurricular and social events
  - Get your work done first!

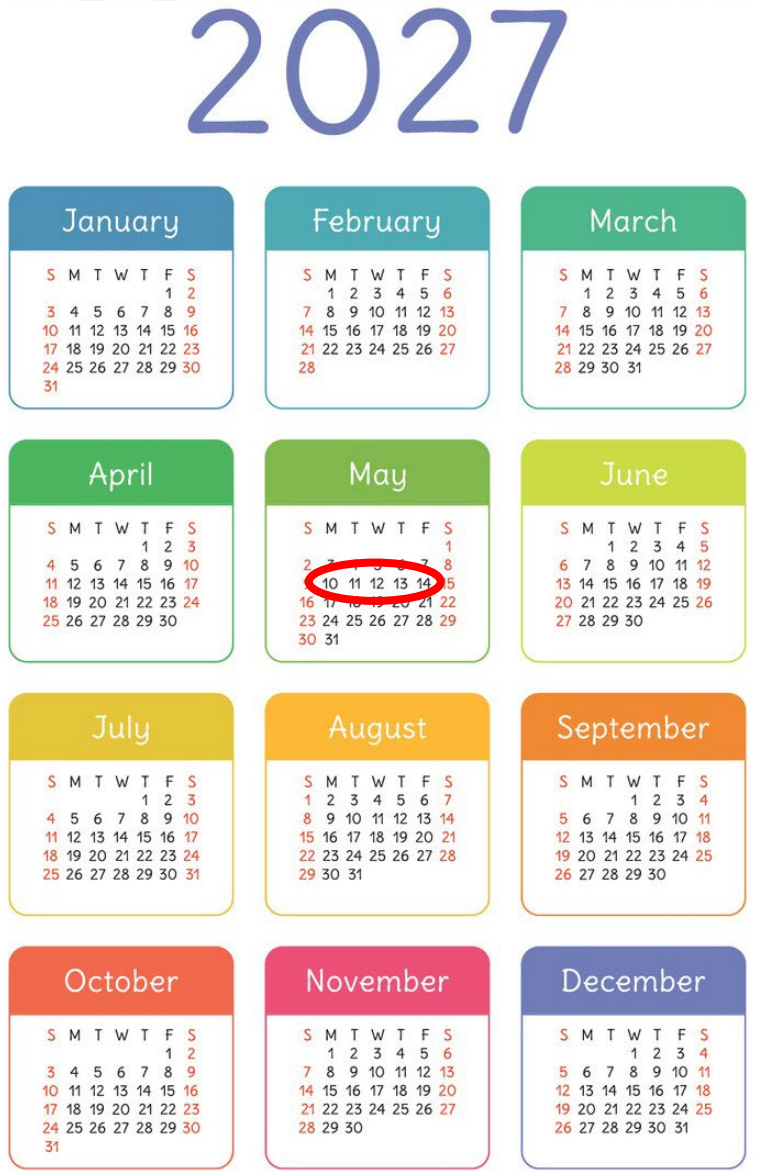
https://smallbiztrends.com/category/social-media

- A common motivational motto says *always give 100% to everything you do, unless you are donating blood*.
- I suggest a different motivational motto:
  - **Do the best you can, and then do a little bit more.**
- Do not cut corners, look for shortcuts.
  - Give every topic, assignment, and project the full amount of time and effort it needs and deserves.

https://www.teecafe.co.uk/always-give-100-percent-unless-youre-giving-blood-joke-t-shirt-14415-p.asp

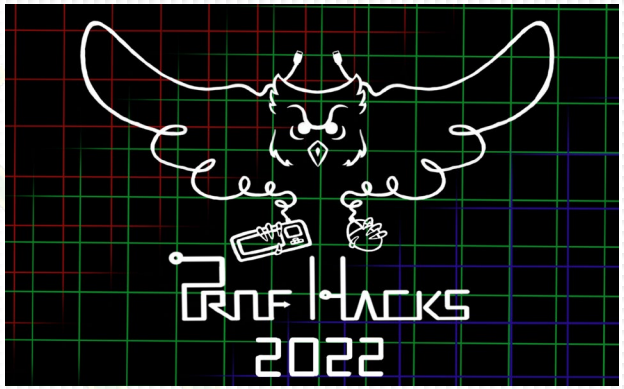
Being Successful at Rowan ECE

Rowan ECE Class of 2023

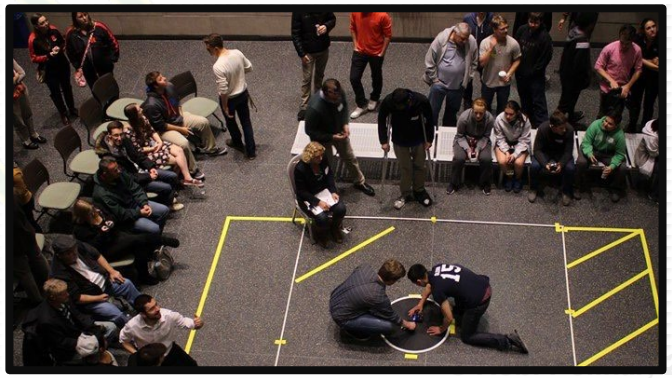


ECE Student Activities

- Participate in ECE (and other) student club activities:
  - IEEE Student Branch
  - Robotics and Automation Society
  - Women in Engineering
  - Society of Women Engineers
  - ProfHacks 2023
  - American Institute of Aeronautics and Astronautics (AIAA)
  - … many others

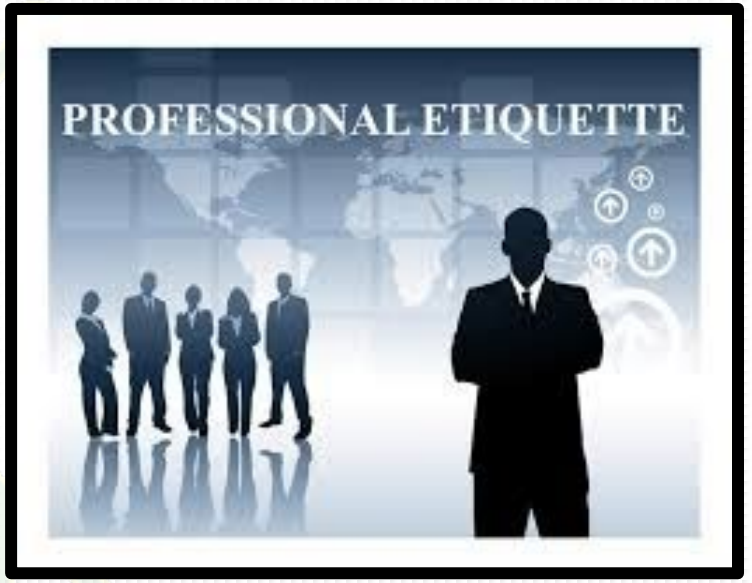


- …but pace yourself. Start with one or two at most, then judge based on your time management.



Professional Courtesy & Etiquette

- ABCs of Professional Etiquette: Appearance, Behavior and Communication
- Addressing professors and staff members
- Use of mobile devices in classroom
- Asking questions in classroom
- Use of e-mail as a professional communication tool
- Use of Slack as a professional communication tool
- Coming to class prepared
- Understand what constitutes academic dishonesty, and avoid it at all costs.
- Be civil, kind and courteous to each other. Respect everyone's individuality, preferred names, pronouns, culture, as well as intellectual curiosity.



E-MAIL ETIQUETTE

https://smallbiztrends.com/2021/04/email-etiquette.html

- E-mail is for professional communication, and it is forever!
- Do not write/send anything you will later regret.
- Do not send any e-mail before thoroughly reading it first.
  - Set "cancellation period" to 30 seconds just in case.
- Every e-mail **must** have:
  - Proper and descriptive subject line;
    - **Do not introduce new topic in an e-mail reply, different than what the subject line indicates. Start a new thread!**
  - A formal greeting
    - **For example, "Dear Dr. Polikar", and not "Hey!" or "Listen, Robi, help me out here…";**
  - Proper and formal language
    - **No acronyms like LMK, LOL, IMHO, TTFN, etc.**
    - **No unprofessional language such as "we're cool", "yeah"**
    - **And certainly, no profanity / disrespectful language.**
  - a formal closing and signature line
    - **For example, "sincerely", "thank you", or "regards"**
    - **Include your name, last name and Banner ID**

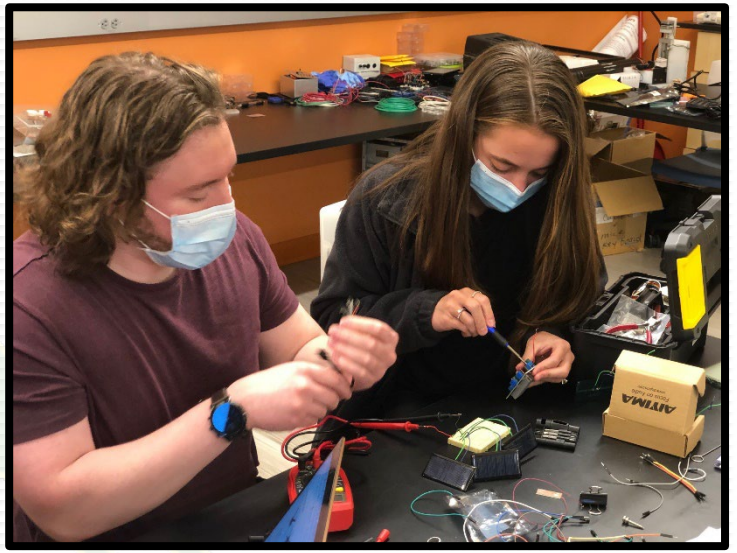
Full departmental e-mail etiquette guidelines
https://engineering.rowan.edu/_docs/electrical computer/e-mail-etiquette.pdf

We, The ECE Community

- We, the ECE Family, form a close-knit community.
  - We help each other, lift each other.
  - Many of the friendships you form here will stay with you for the rest of your lives!
    - **Some of you will become business partners of each other**
    - **Some of you will be colleagues working at the same company**
    - **…and yes, some of you may even marry each other! It did happen.**
  - If you are competitive,
    - **there are plenty of opportunities available – join student clubs and attend competitions,**
  - but leave your competitiveness outside when coming into class, lab, or study sessions.
    - **Always offer to help your fellow ECE students**
    - **You figured something out, and your fellow students have not, do not try to take over the work.**
    - **Help them and give them time, space and opportunity to learn, particulate and contribute.**
      - … except in exams

We, The ECE Community

- Everyone in this department is here based on their merits. There is not a single student admitted based on anything other than her/his background and potential to be successful in the ECE program.
  - Treat everyone with respect and dignity
  - Be courteous not just to ECE faculty and staff, but to everyone in our program, college, university, and community
  - In ECE Department we celebrate our diversity. We welcome anyone and everyone who contributes to scholarly activities and learning endeavors of this department, and the betterment of our community …
    - **… regardless of their ethnic background, race, nationality, sexual preferences, gender or gender identity, religious beliefs or lack thereof**
    - **… and we expect – and demand – every member of our community to do so as well!**



We, The ECE Community

- Worth repeating: Treat everyone with respect and dignity. Everyone has the same right to be here as you do, regardless of their academic or personal background.

- Be an ally: if you see or observe unkind, insensitive, derogatory, biased behavior – even if unintended or non-malicious – do or say something.
  - Learn to recognize implicit bias and consciously work against it.

- Practice equity, inclusion, and justice in everything you do.

Visit The Dept. Webpage

http://www.rowan.edu/ece

- Electrical & Computer Engineering
- Dept. Head's Welcome
- About Rowan ECE
- Faculty and Staff
- Undergraduate Programs
  - ECE Curriculum Table
  - ECE Curriculum Flowchart
  - Advising & Progress Sheet
  - Minor, Certificate, BS/MS & Dual Degree Programs for ECE Majors
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  - Course Descriptions
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- Graduate Programs
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- Advising
- Research

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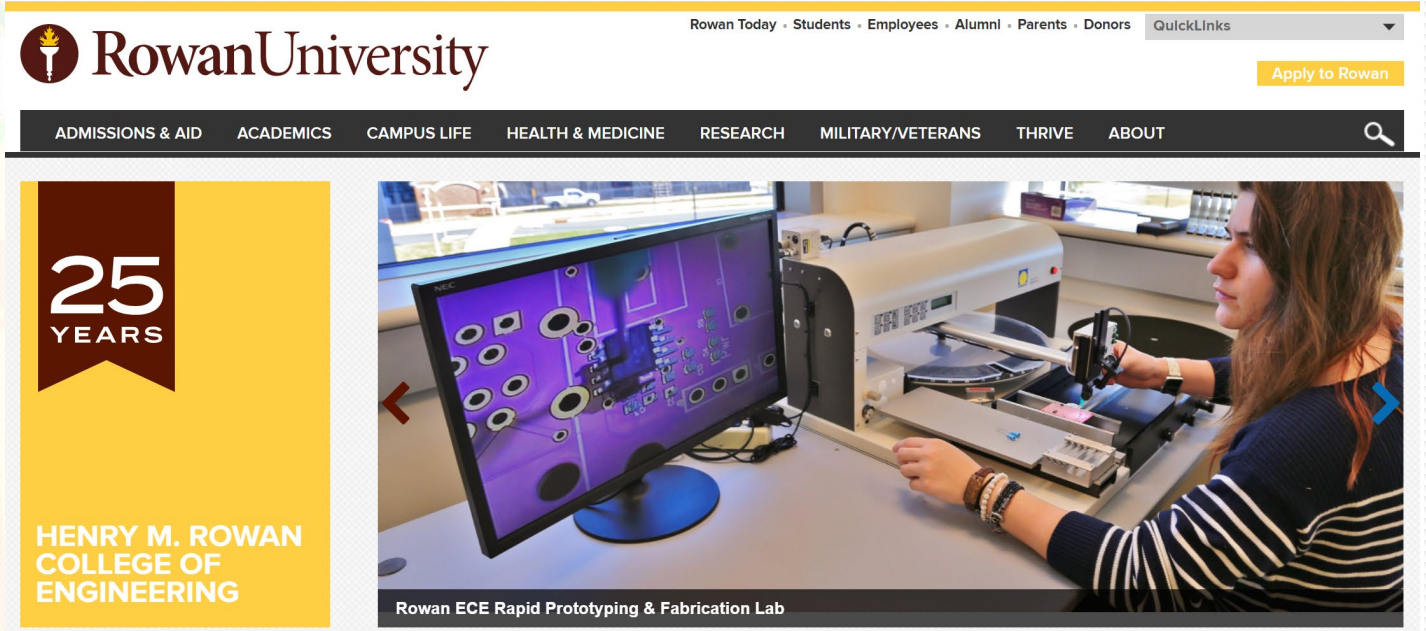
ECE Main page



Questions?

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