

FRESHMAN YEAR for Engineers

SURVIVING YOUR FIRST
YEAR AS A RUTGERS
ENGINEERING STUDENT



**Engineering
Governing
Council**

*The legislative body representing the students
of the School of Engineering at Rutgers University.*

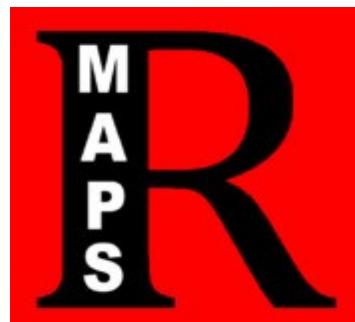


SOE 2014

Useful Apps:

- RU Maps**

Locations around all four campuses



- Rutgers**

Info ranging from dining hall menus to RU bus schedule



- The Daily Targum Mobile**

The Rutgers newspaper!



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Fellow Engineering Students,

Welcome to the Rutgers University School of Engineering! First and foremost, congratulations on being accepted to and for choosing to attend one of the most renowned Engineering programs in the nation! The resources and dedicated faculty that this University has to offer have resulted in the development of fantastic engineers in their respective fields. These resources will be available to you as you begin your journey to becoming a successful engineer, as well as new opportunities that are expanding as the University continues to grow! However, I am sure that being a part of this new environment can be daunting, and these first few weeks may be overwhelming. To help you with your journey, I am happy to present to you the **Freshman Year for Engineers Handbook**.

The Engineering Governing Council (EGC) is the student governing body for the School of Engineering . The EGC represents over 3,200 Engineering students on the School, University and State levels. To help first year students learn more about the school, provide advice and convey important information, student leaders have come together to create this booklet for your use.

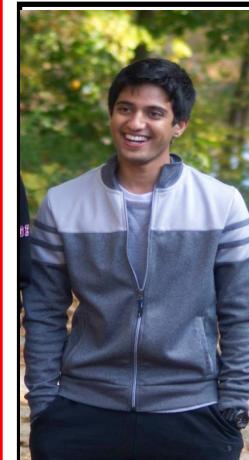
IN THIS HANDBOOK YOU WILL FIND THE FOLLOWING:

1. Engineering Society Descriptions: I am sure that your former schools and academic institutions had many great clubs and organizations that had specific purposes, goals and activities. The same applies to Rutgers School of Engineering. The EGC currently recognizes 31 Engineering societies, and together they provide a diverse set of experiences. Whether you are interested in our special interest organizations, Greek Life or project-based societies, there is something for everyone! Through these Societies, you can:
 - a. Meet talented engineering students who share the same interests and passions as you do.
 - b. Join various fast paced environments that will allow you to learn in a way that you can't learn in a classroom.
 - c. Develop your interpersonal and leadership skills as a result of working closely with your classmates.
 - d. Build a strong network of dedicated engineers and professionals within and outside the School of Engineering.
 - e. Boast a well rounded resume with a strong, diverse skill set as a result of your work.
 - f. Be recognized by and leave a mark on the University and the School of Engineering.
2. Engineering Events scheduled for the first few weeks of school, allowing you to get involved early.1

MEET THE EGC BOARD



President :
Peter Spatocco



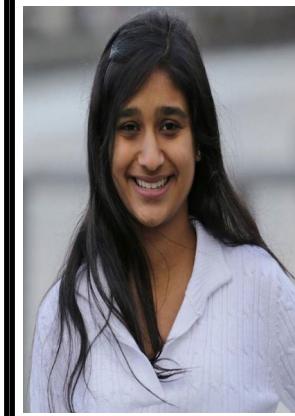
**External
Vice
President:**
Kaustubh
Deshpande



**Internal
Vice
President:**
Ankur
Choksi



Treasurer:
Jackie King



Secretary:
Riya Ram

meal plans-

Unused meal swipes at the end of the semester will not be refunded back. Many locations such as Woody's on Busch campus and the Knight Wagon found on different campuses also accept meal swipes. Pricing can be found online at

<http://food.rutgers.edu/meal-plans/new-brunswick-piscataway>

Dining Hall Hours:

Monday through Friday:

7:00 am - 11:00 am Full Breakfast
10:00 am - 4:00 pm Deli Line
11:30 am - 3:00 pm Full Lunch Menu
4:00 pm - 9:00 pm Full Dinner Menu

Saturday and Sunday:

9:30 am - 10:30 am Continental Breakfast
10:30 am - 2:30 pm Full Brunch Menu
2:30 pm - 4:00 pm Light Menu
4:00 pm - 8:00 pm Full Dinner Menu

3. Useful Tips and Hints: For surviving your first year
4. University and SOE Administration: Diagram to familiarize you with the structure of the University and of the School of Engineering.
5. Busch Campus Bus Routes and Maps
6. Precision, the School of Engineering Yearbook
7. Websites: Quick access to extremely useful information.

With all of the information provided in this booklet, you will have a head start on your college experience that other freshmen will only wish they had. We hope that this handbook helps you develop a strong foundation for what is sure to be a successful college experience at the SOE..

As a current Engineering student, I can guarantee that your college experience will by far be the most memorable years in your entire life. And what's more, you have arrived at a perfect time; Rutgers is in the process of one of its largest expansions in history, and you have the opportunity to take advantage of everything the school has to offer. With the addition of a new Medical School, the establishment of a Biomedical and Health Sciences Department, the addition of Rutgers to the Big Ten, and our acceptance to the Committee on Institutional Cooperation, Rutgers and the School of Engineering will be able to reach heights that were only dreamed of in the past.

I wish you the best of luck to your successes at Rutgers University. I encourage you to get involved in extracurricular activities early in your college years because that is what will truly make your college experience memorable. And please, if you have any questions, comments, or concerns, feel free to reach out to any of the EGC members; we will be more than happy to help!

With all this said, I would like to leave you with this:

RU Rah Rah!
RU Rah Rah!
Hoorah! Hoorah!
Rutgers Rah!
Upstream Redteam!
Redteam Upstream!
Rah! (Whoo!) Rah! (Whoo!)
Rutgers Rah!





Engineering Governing Council (EGC)

4

Retails On Campus Accepting Meal Swipes:

Cafe 52

Henry's Diner

CabFare

Douglass Cafe

Cook Cafe

Dunkin Donuts

Dudleys

Kilmer's Market

Pizzeria Uno

Rock Cafe

Sbarro

Starbucks

Woody's

Knight Wagon



LINKS TO USEFUL SITES

EGC: <http://egc.rutgers.edu/>

School of Engineering: <http://soe.rutgers.edu>

My Rutgers: <http://my.rutgers.edu>

Sakai: <http://sakai.rutgers.edu>

Bus Tracking: <http://www.nextbus.com/>

Class Registration: <http://webreg.rutgers.edu>

Course Planner: <http://sims.rutgers.edu/csp/>

Registrar: <http://registrar.rutgers.edu/nbindex.htm>

RU Express: <https://ruexpress.rutgers.edu/>

Rutgers Bookstore: <http://rutgers.bncollege.com>

Rutgers Newspaper: <http://www.dailytargum.com/>

Rutgers Search: <http://search.rutgers.edu/>

Rutgers Webmail: <http://webmail.eden.rutgers.edu/>

On-campus Food: <http://food.rutgers.edu>

Off-campus Food: <http://www.campusfood.com>

Software: <https://software.rutgers.edu/>

Parking: <http://rudots.rutgers.edu/>



Engineering Governing Council

The legislative body representing the students of the School of Engineering at Rutgers University.

What is the Engineering Governing Council?

The Engineering Governing Council (EGC) is the student governing association for the Rutgers University School of Engineering. Unlike many student governments in high school, governing associations at Rutgers University play an integral role in the structure of the University. The EGC has representation on the University Senate, the Board of Governors, and a variety of other University committees which decide everything from grading policies to building acquisitions.

What does the EGC do?

The Engineering Governing Council's work can be divided into three main tasks. The EGC:

- Acts as the liaison between the students and the faculty, staff, administration, and alumni.
- Provides guidance and support, while acting as a reliable resource for engineering societies and organizations.
- Represents the interests of all engineering students with a unified voice in the University community.

We also work to:

- Build outstanding leaders who serve on various prestigious leadership roles across the University.
- Bring improvements to school academics and research based on Engineering student's interest.
- Host events to unify students in the School of Engineering .



Why should I be interested in the EGC?

As the EGC is the largest and oldest governing association at Rutgers University, we are experienced in getting students heard. College should not be about sitting back and waiting for things to be handed to you. Everything you see around you, even your classes, are in some part a product of the work that we do. Whether it is the type of food on the take-out menu, or the grading policy of your courses, the EGC is the main vehicle for getting your voice heard by administration.

The Engineering Governing Council works to serve not only the students of the School of Engineering, but the societies as well. If you want to make a difference and you're interested in becoming part of a tight-knit community of engineers, then we would love to have you join us. All you need are fresh ideas, a desire to be heard, and the courage to take action.



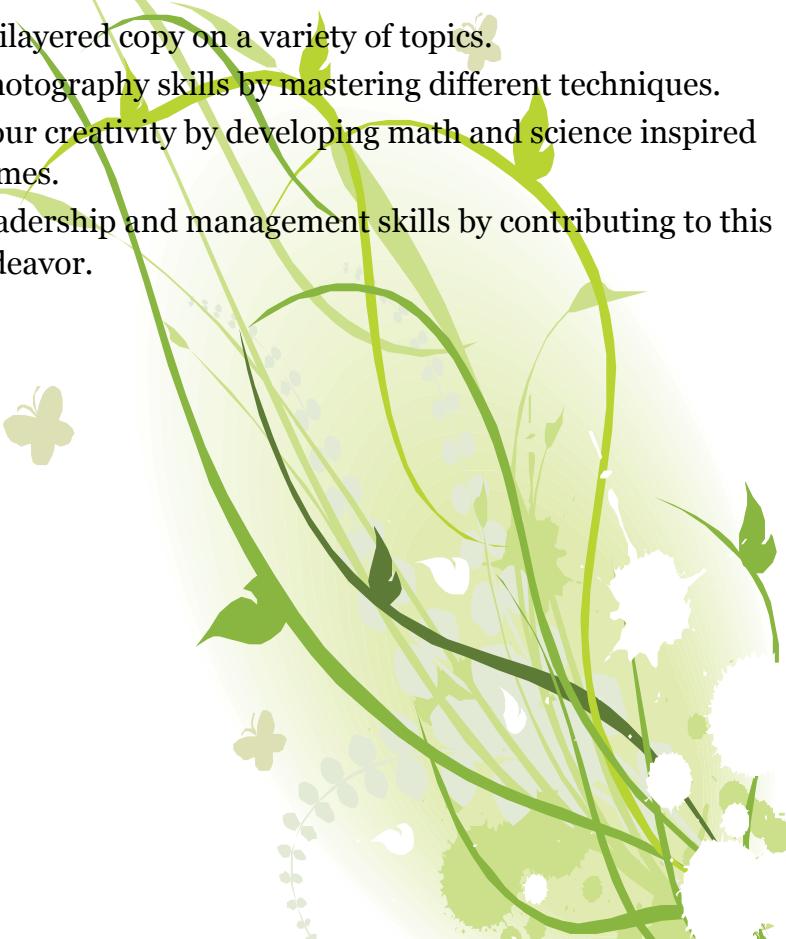
P R E C I S I O N

What is Precision?

Precision is the School of Engineering yearbook. The tradition of a yearbook, begun in 1984, and was resurrected three years ago.

Have good people skills? Like to write? Good at photography? Artistic in any-way? Whether or not you said yes to one, a few or all of the above questions, there's a place on the yearbook committee for you! Yearbook presents a unique opportunity to:

- get to know the members of the School of Engineering by conducting interviews with members of EGC recognized societies and administrative members.
- write multilayered copy on a variety of topics.
- develop photography skills by mastering different techniques.
- exercise your creativity by developing math and science inspired design schemes.
- develop leadership and management skills by contributing to this growing endeavor.



How do I join the Engineering Governing Council?

As a freshman you have three ways to get involved. First, you can run for and be elected a Class of 2018 Representative. **There are currently 5 such positions open for which elections will take place in September.** Another means by which you can join the EGC as a freshman is to become involved in a society and be appointed their EGC representative. Every society is required to send one representative to the EGC who has full voting privileges and equal voice as all of the other members. The final way to become a member of the EGC is to attend Council and committee meetings as a general body member. This does not entail voting privileges, however you have an equal voice when it comes to any non-funding School of Engineering issue.

How do I get in contact with the EGC?

Website: <http://egc.rutgers.edu/>

Executive Board: egc_exec@email.rutgers.edu

Office: C-163 (Engineering Building, C-Wing)



UPCOMING EVENTS

Make sure to keep an eye out for these events to become more involved with other engineers as you start off your first year. There will also be more information about becoming a member of the Engineering Governing Council (EGC) for those who are interested. Don't forget the **free food and prizes** too!

INVOLVEMENT FAIR

Fri. 9/5 @ 2-6PM,

Campus: College Avenue Campus

Location: Voorhees Mall

The Fall & Spring Involvement Fairs are great ways to learn more about the 300+ student organizations, the 60+ fraternities & sororities, and numerous departments. Visit the displays, talk with members, ask questions and pick up information.

SCHOOL OF ENGINEERING CONVOCATION

Thurs. 9/11 @ 10:00 AM – 12:30 PM

Campus: Busch Campus

Location: In front of Engineering Building

All first-year engineers will learn about their upcoming year from speakers of the school. It's also a great opportunity to mingle with other students in your class. The theme is spirit so be ready with lots of energy and excitement! Be sure to wear red shirts as well because the first 150 students will receive large Rutgers foam hands! There are also a few other great giveaways such as an Apple iPad! Those who are interested in learning about the many different societies of the School of Engineering may speak with society representatives as well for more information. Attendance is mandatory for first-year engineering students.

EGC INFO SESSION #1

Mon. 9/9 @ 7:30PM

Campus: Busch Campus

Location: BCC 116ABC

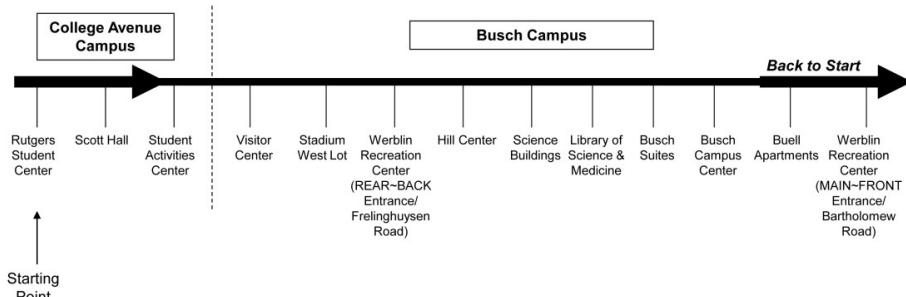
Get to know the current EGC members and learn more about how to become an EGC member.

Busch Campus Map

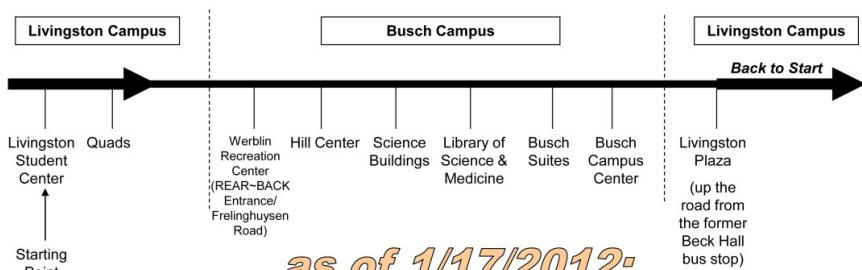


Busch Campus Bus Routes

A: COLLEGE AVE / BUSCH



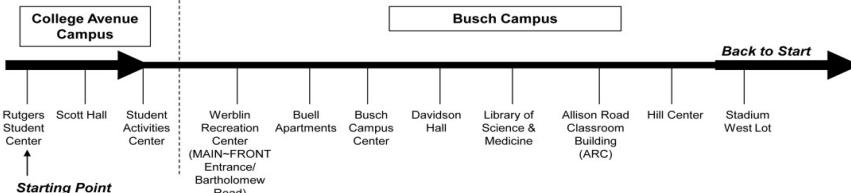
B: LIVINGSTON / BUSCH



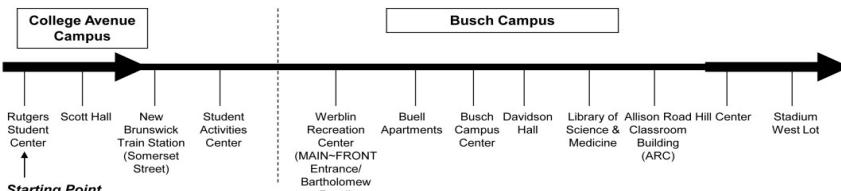
as of 1/17/2012:

Due to scheduled events & unforeseeable events/detours, the buses could be delayed and/or some bus stops may be bypassed.

H: COLLEGE AVE / BUSCH



AFTER 9:30 PM:



FIRST YEAR ELECTIONS

Mon. 9/15 (12:01AM) - Fri. 9/19 (11:59PM)

@ egc.rutgers.edu

Those who are interested must keep in mind that once they are one of the five members to be elected as Class of 2018 Representatives, they MUST attend the EGC Retreat held over the weekend of 10/12 - 10/13.

FRESHMAN ELECTIONS (S'mores Night)

Tues. 9/17th Location: TBD

Come out and enjoy a great time with the EGC members while taking pictures, eating pizza, and placing your vote in the Freshman Elections!

SPRING SEMESTER EVENTS

As the year progresses, be sure to look out for other great events presented by the EGC. Also, look out for the SOE Open House, Engineering Field Day, and many others!

If you'd like to suggest an event, just let one of our EGC members know, such as your Class Representatives, or leave a note in one of our suggestion boxes! We would be happy to work with any great ideas you have to offer.



TIPS & HINTS FOR SURVIVING YEAR ONE

- Not sure about where to find certain information? RUinfo ((732) 932-INFO, or ruinfo.rutgers.edu) is a one-stop-shop for info on everything from buying meal plans and campus parking to scholarships.

- Confused about buses? Find the Schedule & Routes on the myRutgers website under Campus Life. And all Rutgers students use NextBus.com to estimate bus arrival times. Careful, because bus schedules change on the weekends, breaks, and after 10 PM! Need to study late? The Knight Mover is available after 3 AM to take you home after a long night at the library! Just a phone call away! (732) 932-7433

- Looking for other places to eat? Don't just be limited to the Busch Dining Hall. Each campus has a unique experience: Neilson Dining Hall in Cook/Douglas is considered the best by many students, Brower Commons on College Ave serves sushi and Mongolian grill at nights, Livingston Dining Commons is all brand new this year, and Rutgers Club on College Ave offers fine dining for \$2 and a meal swipe.

- Want to make laundry easy? Add money to your Knight Express for easy use of laundry machines. Most stores on Rutgers campuses take Knight Express for credit as well, look for their sign!

Dorms too noisy for study? Consider the library, the SERC Reading Room, The ARC Study Room provided by the EGC, or the department-specific study lounges in the Engineering Building for quiet study spots.

- Want to stay fit? The Sonny Werblin Recreational Center is a great place to swim, run, bike, play racquetball, basketball, and take dance lessons. They're open 7 days a week to fit the busiest schedules. (Rock climbing is available in the back of the College Ave gym

School of Engineering Administration

SOE Contact Information

Dr. Thomas Farris
Dean of School of Engineering
Office Eng Bldg Room B204
E-mail: tfarris@soe.rutgers.edu

Kendra Cameron
Assistant to the Dean of School of Engineering
Office Eng Bldg Room B203
E-mail: kendrac@soe.rutgers.edu

Dr. Fred Bernath
Associate Dean for Academic Affairs
Office Eng Bldg Room B100
E-mail: bernath@rci.rutgers.edu

Jeffery Rankin
Assistant Dean for First Year Engineering Students
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Roberta Ricks
Principle Secretary
Office Eng Bldg Room B100
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Phone Contact Info

Office of Academic Affairs: B100 (732) 445 – 2212 (2213)

Office of Student Development: B110 (732) 445 – 2687

OSD Contact Information

Dr. Ilene Rosen
Associate Dean for Student Development Office Eng Bldg Room B110
E-mail ilrosen@rci.rutgers.edu

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Assistant Dean for Engineering Education
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Candiece White
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E-mail: cawhite@rutgers.edu

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Susan Thorn
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Mike Brown
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E-mail: mikebr@rci.rutgers.edu

Patrick Antoine
Program Development Specialist
Office Eng Bldg Room B110
Email: j.antoine@rci.rutgers.edu

University Administration

Dr. Robert L. Barchi
University President

Richard Edwards
Executive Vice President, Academic Affairs
Interim Chancellor, Rutgers–New Brunswick

Gregory Jackson
Chief of Staff
Interim Vice Chancellor,
Undergraduate Academic Affairs

Roberta Leslie
Assistant Vice President,
Academic Affairs

Linda Schulze
Assistant Vice President,
Academic Affairs

Campus Deans
Busch
Thomas Papathomas
College Ave
Matt Matsuda
Cook
Barbara J. Turpin
Douglass
Dr. Jacquelyn Litt
Livingston
Lea P. Stewart

- **Thinking about getting internships or jobs?** Go to career fairs, Career Services Department (careerservices.rutgers.edu), and CareerKnight to find some ways to spice up your resume. Make friends with your professors— they may provide you with jobs, internships, and research opportunities.

- **Need help finding classes?** Search for buildings by name on the myRutgers webpage, under the Campus Life tab.

- **Need to visit your professor or a department?** Make an appointment first by phone or email. It will save you time that might otherwise be wasted waiting, or visiting when they're unavailable.

- **Feel that the classes are moving too fast?** Want to catch up with a certain material? Visit the Rutgers Learning Center (<http://lrc.rutgers.edu/contact.shtml>) Or arrange meetings with the professor or Teacher Assistants (TA) during their office hours.

- **Unsure what activities are taking place on campus?** Rutgers has a rich student life and numerous events that happen everyday. For a list of Rutgers societies and events, go to <http://getinvolved.rutgers.edu>. For engineering related events, don't forget to check your eden accounts for "Engineering Events". It's a bi-weekly newsletter that includes all of the engineering societies are holding! This is a great way to get involved! You can also visit <http://egc.rutgers.edu/calendar> or check out the EGC bulletin board in the engineering building!

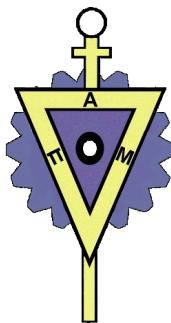
- **Dorm life woes?** Don't hesitate to talk to your R.A. or the Hall Director of your dorm if you have problems.

- **Internet Troubles?** First registering your computer to the Resnet network may take several hours. However, if for some reason your internet still doesn't work, or if at any point you have trouble with your connection, you can always call (732) 445-HELP

ENGINEERING SOCIETIES & ORGANIZATIONS

Alpha Eta Mu Beta

Alpha Eta Mu Beta (AEMB) is the Biomedical Engineering Honor Society. AEMB is committed to recognizing academic excellence in the field of Biomedical Engineering and serves as a resource for the professional development of its members. Alpha Eta Mu Beta works closely with the Rutgers Chapter of the National Biomedical Engineers Professional Society (BMES) as well as the BME Graduate Student Society (BESS) in forming a strong union between biomedical engineers. <http://aemb.rutgers.edu/>



Alpha Pi Mu

Alpha Pi Mu is the Industrial Engineering Honor Society. Alpha Pi Mu recognizes those students in the field of Industrial Engineering who show exceptional academic interest and abilities in their field. The society works to increase professional development among members and promotes networking among faculty and students, both graduate and undergraduate.

ENGINEERING OFFICES

Office of Academic Affairs

The Deans and Staff in the Office of Academic Affairs are committed to serving our student body. The Office of Academic Affairs, commonly known as B100, provides academic service to undergraduate students in the School of Engineering as well as prospective engineering students and their families. Our list of services include: first contact from Admissions and RU-Info, tours for prospective students, First Year Engineering, academic advising and administration, Scholastic Standing, liaison to academic departments, curriculum accreditation, graduation certification, information on post-college options, and more. The Office of Academic Affairs is located in the Engineering Building Room B100 on Busch Campus. If you have any academic inquiries, stop in B100 for assistance.

Office of Student Development (OSD)

The Office of Student Development is the home for scholarships, student organizations, counseling (both non-academic and academic), student services, special programs, and summer pre-college programs at the Rutgers School of Engineering. The staff in the Office of Student

Development is trained to help students with many issues and concerns such as the scheduling of classes, time management, exam preparation, and so on. Also, we are in frequent contact with the offices of Financial Aid, Housing, Dining Services and Parking and can therefore advise students that have questions or concerns regarding these matters. The staff in the Office of Student Development is also available to students to discuss issues and concerns that may be of a more personal nature. The Office of Student Development staff is also willing to work with students to help make referrals to the Counseling Center as needed.

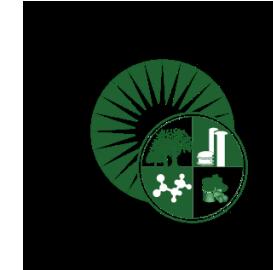
Rutgers Solar Car Team

The Rutgers Solar Car Team is a group of Students focused on building and designing a fully functional Solar Car for the American Solar Challenge. There is no experience necessary to join, and working on the Solar Car is an unrivaled hands on learning experience, that can never be found in the classroom. We are looking for students interested in working with the electrical, mechanical, design, business, or advertising aspects of the team. For more information find us on facebook:: **Rutgers Solar Car Team**.



Rutgers University Bioengineering Society

Rutgers University Bioengineering Society (RUBES) promotes fields related to Biological Engineering, such as Biotechnology, Medical Technology, Bio-medical and Chemical Engineering, among Rutgers students. We are the student chapter of the Society for Biological Engineers (SBE). By inviting guest speakers from local universities and industry, holding journal club seminars to explore cutting edge research with Rutgers professors, and hosting or co-hosting various events with other societies, we create an educational and social environment for our members that promotes networking, multi-disciplinary exchange of knowledge and research, and potential opportunities for research, internships, and full-time job positions. If you have any questions or would like to know more about RUBES, feel free to contact us at rubes.nb@gmail.com.



American Institute of Chemical Engineers (AIChE)

AIChE (American Institute for Chemical Engineers) is a leading organization for chemical engineering professionals, with more than 40,000 members from 93 countries across the globe. We strive for both professional and personal growth, beginning from undergraduate studies to retirement, thus contributing as a lifetime resource for all its members. As an AIChE student member you will have access to many professional and academic events, be it networking with industry professionals to gain a perspective into their fields or talking to peers and graduate students and getting to know more about campus research activities as well as getting advised for graduate school. To list a few; we participate in competitions like the Chem-E car where we compete with fellow schools for the best car title, organize industry versus graduate school panels and make field trips to industries ,each of which can give you an insight today into your profession of tomorrow. So to get the best out of your Chem-E experience, join now.



American Society of Civil Engineers

The national chapter of the American Society of Civil Engineers (ASCE) was founded in 1852 and is comprised of 144,000 members worldwide. Here at Rutgers, we have a student chapter that is comprised of around 100 members that takes pride in civil engineering and its benefits to the community. The Rutgers University Chapter of ASCE coordinates events such as field trips to local construction/civil engineering projects, community service projects and guest speakers from the civil engineering industry. During the 2009-2010 year, the Rutgers

University ASCE Concrete Canoe Team actually won the ASCE Metropolitan Region and qualified for nationals in California where they went on to place 17th overall in the country!



American Society of Mechanical Engineers (ASME)

The American Society of Mechanical Engineers is dedicated to providing mechanical engineers worldwide with current information on new technologies. Our Rutgers chapter is committed to encouraging original student research, making advances in the engineering field, and promoting a high ethical standard. Past events have included aviation lectures, engineering themed competitions, and resume building. We plan to implement CAD workshops with Autodesk software for students who wish to learn more in regards to 3D modeling and simulation. Workshops will be available for all majors! <http://www.asme.org/>.

Rutgers Formula Racing

Rutgers Formula Racing is an extracurricular activity that contributes to the Rutgers tradition of excellence. The team is comprised of an eclectic group of individuals with many diverse interests and hobbies, creating a vast palette of knowledge, experience and vision. Although not all Rutgers Formula Racing members are engineers by major, all have a desire to contribute to the success of our auto-motive race team. For more information please visit: www.RFR.rutgers.edu.



Biomedical Engineering Society

The Rutgers University Biomedical Engineering Society is an organization that promotes the profession of biomedical engineering. We organize events that help biomedical engineers with their classes, explore unique research opportunities, find internships, meet professors, and understand the industry side of the field. One of our most popular events is Shadow Day. On Shadow Day, students will meet Biomedical Engineering Graduate students, tour their labs, learn about their respective research projects, and will be given exposure to undergraduate research opportunities in a friendly, inviting environment. Other events include info sessions about graduate and medical school, Q&A sessions with biomedical engineering professors, and sessions on how to secure an internship through the Bio-medical Engineering Industrial Internship Program.



Tau Beta Pi

Tau Beta Pi is a national organization whose purpose is to promote excellence in engineering. Tau Beta Pi will accept all engineers in the top eighth of their junior class or top fifth of their senior class. In addition to this academic requirement, students must also exhibit exemplary character in service to others. Tau Beta Pi offers valuable experiences and benefits to its

members. Members are welcome into Tau Beta Pi each year with a large banquet ceremony. The national organization also offers monetary scholarships to members for graduate studies. Another important program available to members is the Engineering Futures Program. For more information on the RU chapter of TBP, visit <http://coewww.rutgers.edu/tbp/>. For the national website, see www.tbp.org.

Theta Tau

The Rutgers Colony of Theta Tau is the university's first co-ed Professional Engineering Fraternity. Operating on a national level, Theta Tau is both the oldest and the largest engineering fraternity in the country. Currently, Theta Tau includes over 60 chapters and 50,000 members nationwide.



Every brother strives to maintain a balance between the three cornerstones of the fraternity -- professionalism, service, and brother-hood -- and works to incorporate these concepts in its day-to-day operations. Over the past year, the fraternity hosted a university-wide Rube Goldberg Ma-chine Building Competition and helped with Entrepreneurship Day, which featured Steve Wozniak, the co-founder of Apple. With challenging engineering competitions and fun social activities planned for this semester, be sure to look out for the next Theta Tau event!

Society of Hispanic Engineers (SHE)

The Society of Hispanic Engineers (SHE) is the Rutgers University student chapter of the Society of Hispanic Professional Engineers (SHPE). The society was founded with the motto "Recruit, Retain, and Graduate minority students majoring in engineering, math, or science." An integral part of our organization is building leaders for the future. We teach our members the essential skills necessary to be successful in Corporate America. We bring different companies such as Lockheed Martin, Johnson & Johnson, and Verizon to provide students with job opportunities. The most valuable asset to the society is our membership, thus we are committed to supporting them by offering a variety of fun, social events. SHE is a great organization that continues to contribute to the success of Latinos and other minorities in engineering and science fields. Our vision is to provide our members with self-development and professional-development workshops during the academic year. You do NOT need to be Hispanic to join! Come check us out at [rushe.rutgers.edu!](http://rushe.rutgers.edu)



Society of Women Engineers (SWE)

The Society of Women Engineers (SWE), founded in 1950, is a not-for-profit educational and service organization. SWE is the driving force that establishes engineering as a highly desirable career aspiration for women. SWE empowers women to succeed and advance in those aspirations and be recognized for their life-changing contributions and achievements as engineers and leaders. Here at the Rutgers University, our SWE Section carries out its mission to stimulate women to achieve full potential in careers as engineers and leaders, to expand the image of the engineering profession as a positive force in improving the quality of life, and to demonstrate the value of diversity. Our section is dedicated to locating job opportunities and scholarships for its members in the field of engineering as well as participating in community service events, especially in the New Brunswick-Piscataway area of New Jersey.



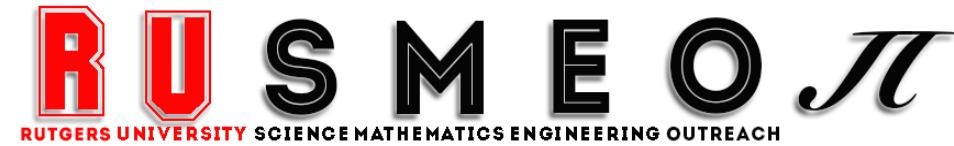
Chi Epsilon

Chi Epsilon is the National Civil Engineering Honor Society dedicated to promoting civil engineering as an "ideal profession." Chi Epsilon was formed in 1922 in order to both recognize and foster successful characteristics of the individual civil engineer throughout his/her career. The Rutgers University chapter of Chi Epsilon is one of 128 active chapters throughout the country. Rutgers civil engineering students must rank in the top third of their respective class for their junior or senior year to be considered eligible for membership. Prospective members must also demonstrate the four primary requirements of a successful engineer; scholarship, character, practicality, and sociability.



Rutgers University Science Math and Engineering Outreach

Formerly known as Rutgers Engineering Pi Club, RUSMEO is a student organization dedicated to continuing education outside of the classroom and promoting engineering awareness. Through independent projects and networking with other groups recognized by the Engineering Governing Council and the general Rutgers University community, RUSMEO intends to promote a positive image of engineers to those looking to be involved in the field through fun activities, community service, and invitation of guest speakers. All majors are welcome to join!



Engineers Without Borders-USA Rutgers

Looking to join an engineering organization with an international impact? Look no further Engineers Without Borders (EWB) Rutgers was named the EGC Engineering Organization of the year two years running, making us one of the best organizations in the university. Meanwhile, our chapter was awarded the 2011 Premier Chapter of EWB-USA, making our chapter the best in the nation. Undergraduates, together with our professional mentors, work with communities in Kenya, Guatemala, and Thailand to create water distribution and sanitation systems. Along with international projects, we also volunteer and work on local projects in the New Jersey area. This year we are looking to adopt a new project, and we are in need of some dedicated and passionate new members to carry our projects to completion. Your challenge should you choose to accept it will be to use and develop engineering and technical skills, organizational abilities, and public relations and fundraising expertise; all of this, in the name of implementing sustainable and long-lasting projects to empower the members of underdeveloped communities.



Eta Kappa Nu (HKN)



ETA KAPPA NU
Electrical and Computer Engineering Honor Society

Eta Kappa Nu is a unique membership organization dedicated to encouraging and recognizing excellence in the electrical and computer engineering fields. Members consist of students, alumni, and other professionals who have demonstrated exceptional academic and professional accomplishments. Student members are selected on the basis of scholastic standing, character, and leadership. Through a variety of service programs and leadership training, student members develop life-long skills that earmark them for prominent positions in industry and academia. Members are much better prepared for the post-college world and are especially valuable and attractive to employers. They are recognized as extremely capable, both technically and professionally.

To further recognize excellence, HKN conducts award programs to recognize professional leaders, exceptional educators, outstanding students, young ECE professionals, outstanding chapters, and effective faculty advisors. For more than 100 years, Eta Kappa Nu has embraced excellence. In the years ahead, HKN will continue to reinvent itself to meet the needs of its 200,000+ members, the institutions they serve, and our overall society.

American Institute of Aeronautics & Astronautics

The American Institute of Aeronautics & Astronautics (AIAA) at Rutgers is made up of students who are interested in all things Aerospace. Many of its members are engineers but they welcome students of all disciplines. As a club, they design, build and fly model planes, both recreationally and competitively. The AIAA focuses on teaching skills that can be applied to the world beyond the realm of model planes.



Sigma Phi Delta (SPD)

Rutgers University is home to the proud Omega Chapter of Sigma Phi Delta, the Premier International Engineering Fraternity. Sigma Phi Delta is the only all-male Professional Engineering Fraternity at Rutgers and is distinguished as a multifaceted engineering brotherhood with young men from every engineering major. The chapter's activities range from community service and philanthropy events to athletic and Greek competitions. Sigma Phi Delta will be holding its RUSH recruitment events this Fall 2013, please contact our Rush Chair-man **at amil-carp@eden.rutgers.edu** with any questions. You can also visit spdomega.org for more information about Sigma Phi Delta and look for Rush Sigma Phi Delta Fall 2013 on Facebook .



Material Advantage

The Rutgers Chapter of Material Advantage is dedicated to promoting the growth and visibility of the field of material science and engineering. As a society, RU-Material Advantage promotes the field through various outreach events, such as organizing high school outreach trips and department open house events. Within the society, aside from usual social events, members enjoy visiting plant tours of various companies and facilities, such as the IBM semiconductor fabrication facilities and the Picatinny Arsenal military research labs. Many members are also members of Material Advantage National which is the premier student member option to become part of the four major materials science professional societies. As a member, one can receive access to various materials-related resources and publications. If any of these topics or events interests you, feel free to inquire and learn more about us. All are welcome, so feel free to join the Material Advantage family!!!



Minority Engineering Educational Task (MEET)

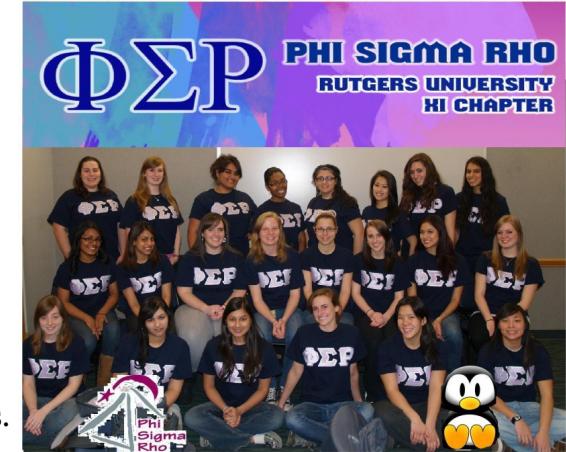
The Minority Engineering Educational Task (M.E.E.T.), the Rutgers University Chapter of the National Society of Black Engineers (NSBE) is committed to the mission of the organization and serving the community. Our mission statement: To increase the number of culturally responsible minority engineers who excel academically, succeed professionally, and positively impact the community. M.E.E.T is a student-run, non-profit organization established in 1975 to recruit, retain, and graduate minority engineers at Rutgers University. In our 30 plus years of existence at Rutgers, we have had the privilege of graduating over 400 members and witnessing them become successful engineers afterwards.

M.E.E.T. serves as a network that provides academic support in a social atmosphere for our members. Through corporate support, we have been able to provide the necessary programs and workshops for our members to succeed .



Phi Sigma Rho

Phi Sigma Rho is the national social sorority for women majoring in engineering and engineering technology. It combines Greek life, philanthropy, and scholarship, with lifelong friendships. As a family we encourage our sisters to push harder, to go farther, and to discover something more about ourselves as scholars, friends, and individuals. As individuals, we each hold true the values of sister-hood, scholarship, friendship, and encouragement to become the women of the future that will build a better world. We will be recruiting for our Upsilon Class this fall and Phi Class in the spring! Please visit psr.rutgers.edu for more information about Rush and our sorority!



Pi Tau Sigma

Pi Tau Sigma is the Mechanical Engineering honors society open to eligible Juniors and Seniors. We pride ourselves in academic achievement, community service, outreach, and professionalism. The society holds numerous events throughout the year with the goal to build well-rounded and moral members ready to enter any of the many fields available to Mechanical Engineering graduates. Members gain many important tools needed to be successful in the workplace and in life. The Tau Iota chapter here at Rutgers University invites you to sign up for our peer mentor program. Any underclassman who is considering Mechanical Engineering as a major should email pitausig-ma@sakai.rutgers.edu and be matched

with a mentor in the society. Your mentor can answer any questions you may have about Mechanical Engineering, research, the School of Engineering, or Rutgers in general. We look forward to helping you succeed here at Rutgers! Visit us at pts.rutgers.edu for information, events, tutoring and more...



Omega Chi Epsilon

Omega Chi Epsilon (OXE) is the National Honor Society for Chemical Engineering. The Society serves both undergraduate and graduate students and nurtures meaningful student-faculty dialogue. OXE promotes high scholarship, encourages original investigation and innovation in chemical engineering and recognizes the valuable traits of character, integrity, and social responsibility. The Beta Sigma Chapter was established at Rutgers University in 1999. We are committed to furthering our academic excellence and serving our Engineering community. Becoming a member is the doorway to taking on responsibilities and bringing about changes in the department.



Institute of Electrical and Electronics Engineers (IEEE)

Rutgers IEEE is Rutgers University's student branch of the Institute for Electrical and Electronic Engineers. We are a group of students who are deeply interested in robotics and welcome anyone who shares our interest, regardless of your major or prior experience, to start contributing to one of our projects. Our year begins with the annual Line Following Robot Workshop, a step-by-step tutorial where we guide you through the basics of building and programming your first robot. Afterwards, you can further strengthen your engineering skills by joining our Vex Robotics Competition or Intelligent Ground Vehicle Competition teams. In addition to participating in robotics competitions, we host career-building events such as company recruitment sessions and professor panels with our distinguished faculty.



Institute of Industrial Engineers (IIE)

The Institute of Industrial Engineers is a society that fosters a passion for Industrial and Systems Engineering. The entire Rutgers community is welcome to join us for our great events including speakers from industry, professional development nights, plant tours, and social outings. Each year, Rutgers IIE makes it a point to send a selective group of members to the IIE Regional and National Conferences.



Here our representatives network with professional and student members and attend seminars on research from across the field. For more information about joining IIE or the Industrial and Systems Engineering major, please stop by our department on the 2nd floor of the CoRe Building, visit our website at www.ise.rutgers.edu, or contact Corey Thistle at

cthistle@eden.rutgers.edu.

International Society for Pharmaceutical Engineers (ISPE)

The International Society for Pharmaceutical Engineering (ISPE) is a non-profit special interest group for pharmaceutical, healthcare, and biotechnology industry professionals, academics, and students. ISPE provides a global community of industry and regulatory experts focused on solving the most important challenges of our society. The Rutgers ISPE Chapter operates as part of the New Jersey ISPE chapter, the largest within the international organization, providing opportunities for students to experience these industries through a wide array of events. We host networking and speaker events with industry professionals on campus. Our students also participate in plant tours and conferences worldwide. The Rutgers ISPE chapter has members of multiple engineering disciplines including but not limited to chemical engineers, biomedical engineers, mechanical engineers, and electrical engineers. We at Rutgers ISPE hope to continue bringing these fantastic opportunities to all our current and future members.



Rutgers Packaging Engineering Society

Rutgers Packaging Society (RPS) at Rutgers University is a new society that gives engineering students the opportunity to learn about the packaging industry. Our mission is to give students the chance to get hands on packaging experience that can't be achieved through classes alone. Packaging engineering is a multi-disciplinary field that draws on chemical, industrial, material, and mechanical engineering in order to create a package that meets a company's sustainability and practicality requirements. Through competitions and events students are encouraged to use their minds to create something new and innovative in the packaging industry that touches on design, development, manufacturing, marketing, graphic design, and regulations on different products. The RPS was founded in 2014. Its members include engineers both packaging and non who wish to gain knowledge of the packaging industry. The society gives a platform for students to design and bring their ideas into reality, while allowing students to "unpack" their future.

Society Of Asian Scientists and Engineers

Rutgers SASE is a society geared towards uplifting its members towards a great success in both an academic and cultural context. SASE is dedicated to the advancement of Asian heritage scientists and engineers in education and employment so that they can achieve their full career potential. In addition to professional development, SASE also encourages members to contribute to the enhancement of the communities in which they live. SASE membership is open to men and women of all ethnic backgrounds.



International Society of Optics and Photonics (SPIE)

The International Society of Optics and Photonics (SPIE) is a highly renowned society with more than 17,000 members worldwide. The society is related to the field of photonics, which is the science of light and is a field with contributions and applications in many disciplines, including biomedical engineering, material science, electrical engineering, and physics. The Rutgers SPIE Student Chapter provides students the opportunity to join a professional society, to partake in various Chapter events, and to collaborate and meet other Rutgers students. More information can be found at

<http://spierutgers.wordpress.com>.



Society of Plastic Engineers

The Society of Plastic Engineers provides undergraduate and graduate students with an opportunity to participate in the scientific and engineering knowledge related to polymers. Participation in the society provides students with an opportunity to learn more about the polymer industry, attend academic conferences, network with industry and other academics, and to meet students with similar interests. To join go on the following website and click on the Join SPE link.

