Mathematics Prerequisites
The first math course in the plan is MATH 2413 Calculus I. Depending on your incoming test scores and high school preparation, the math department may require you to start with an earlier course, for example MATH 1314 College Algebra or MATH 2412 Precalculus.

Computer Engineering Program Web page
http://www.utrgv.edu/cmpe/index.htm

Degree Info
Computer engineering is a discipline that embodies the science and technology of design, construction and implementation of software and hardware components of modern computing hardware and software systems and computer-controlled equipment. The body of knowledge for computer engineering includes algorithms, computer architecture and organization, computer systems engineering, circuits and signals, database systems, digital logic, digital signal processing, electronics, embedded systems, computer networks, operating systems, programming, software engineering and discrete structures.

Minimum Grade Rule
Any course that is a prerequisite for another course must be passed with a grade of C or higher.

Computer Engineering Program Web page
http://www.utrgv.edu/cmpe/index.htm

Contact Info
Dr. Hasina Huq
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Department Office
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https://www.utrgv.edu/ece/

Additional Info
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**MILESTONES**

- **FIRST YEAR**
  - Shoot for a GPA of 3.0 or higher.
  - Complete 3 credit hours every semester.
  - Complete your core English classes (section 010) during your first year.
  - Complete 42 credit hours every year in order to graduate in 4 years.
  - Take MATH 2413 & 2414 in your first year.
- **SECOND YEAR**
  - Complete major foundation classes, such as CMPE 1311, CMPE 1370, CMPE 1170, MATH 2346, CMPE 2330, and PHYS 2422.
  - Complete 41 credit hours.
  - Apply to the Computer Engineering program and find and consult with your computer engineering academic advisor every semester.
- **THIRD YEAR**
  - Complete 15 credit hours.
  - Have you landed an internship or acquired research experience? This is the year to make it happen.
  - Complete a minor, if you have not already.
  - Complete 28 credit hours every year in order to graduate in 4 years.
  - Complete 15 credit hours.
- **FOURTH YEAR**
  - Shoot for a GPA of 3.0 or higher.
  - Complete at least 28 credit hours to graduate.
  - Submit your application(s) for graduate school, an apprenticeship, or for full-time employment.

**ADVICE & SUPPORT**

- **APPLY WHAT YOU LEARN**
  - Check your UTRGV email for the daily Messenger for job opportunities.
  - Research shows that students who work on campus perform better than those who work off campus. Look for on-campus jobs. Check out VLink for options.
  - Cold or flu getting you down? We have Student Health Services on campus with free office visits.
  - Visit a faculty member during their office hours and ask a question about class.
  - Classes fill up fast. When registration opens, be sure to register on the first day for your group.
  - Visit MyUTRGV to schedule an appointment with a computer engineering advisor and bring your orientation folder with you to every session!
  - Choose a major with confidence! Visit my.utrgv.edu and check out MyMajors.
  - Meet with an academic advisor and computer engineering advisor and bring your orientation folder with you to every session!
  - Participate in a campus-sponsored community service project.
  - Ask a student in class to study with you.
  - Create a resume and set up your profile on the Handshake icon:  [MyUTRGV.edu].
  - Set up your profile on the Engagement Zone through MyUTRGV.edu.
  - Attend a diversity-based campus or community event (e.g. MLK Day of Service).
  - Attend a campus-sponsored event.
  - Join a student organization! Consider looking into IEEE-NSM, IEEE-EDenburg, SHPE, or visit VLink (utrgv.edu/vlink) for options.
  - Join student organizations and start engaging in campus events such as HESTEC or FESTBIA.
  - Join another student organization, such as IEEE-ENK, SHPE, Student Government, or visit VLink for options.
  - Check out a campus event that offers free lunch and check out MyMajors.
  - Consider engaging in an independent study project or an academic internship to complement your major, such as NASA, computer engineering REU program, etc.
  - Consider attending the LeaderShape Institute or the Engaged Scholar Symposium at the Engaged Scholar Symposium.
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- **GLOBAL, CAMPUS & COMMUNITY ENGAGEMENT**
  - Look at study abroad opportunities! Consider going to Europe or Asia! Travel the world! Look into study abroad opportunities like the Hauser Lab.
  - Identify employers of interest and seek them out at job fairs.
  - Consider serving on a campus life/community committee or become a student leader and make a difference. Visit VLink or speak with your Student Government Association for more information!
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- **LIFE AFTER GRADUATION**
  - Create a resume and set up your profile on the Handshake icon:  [MyUTRGV.edu].
  - Got summer plans? Visit Career Center and ask about places to do some job shadowing.
  - Apply to Handshake for on-campus jobs.
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  - Check out a campus event that offers free lunch and bring a friend!
  - Visit the Communication Hauser Lab for help with your speeches.
  - Apply for internship and/or job shadowing opportunities.
  - Look for a service or club to join.
  - Participate in a diversity-based campus or community event.

- **UTRIO Grande Valley**

**CAREERS**

- Information protection
- Communications and wireless networks
- Computational science
- Operating systems
- Computer networks
- Computer systems
- Embedded systems
- Computer vision and robotics
- Circuit design
- Signal, image, and speech processing
- VLSI
- Bioinformatics

For more information, visit the Career Center website and check out "What Can I Do With This Major?" at [www.utrgv.edu/careercenter](http://www.utrgv.edu/careercenter)