## Minimum Grade Rule

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

## 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.

Mathematics Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2413</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MATH 2412</td>
<td>Precalculus</td>
</tr>
</tbody>
</table>

## Contact Info

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http://www.utrgv.edu/ece/

## 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.

## Computer Engineering (BSCE)

### Hardware Track

Catalog: 2019-20

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

## Computer Engineering Program Web page

http://www.utrgv.edu/cmpe/index.htm
**MILESTONES**

- Complete your core English classes (section 010) during your first year.
- Complete 42 credit hours every year in order to graduate in 4 years.
- Shoot for a GPA of 3.0 or higher.
- Complete 15 credit hours.
- Complete 15 credit hours.
- Complete 15 credit hours.
- Complete 3.4 or higher.
- Complete at least 28 credit hours to graduate.
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**ADVICE & SUPPORT**

- Visit my.UTRGV.edu
- Signal, image, and communications
- Computer vision and VLSI
- Computational Computer networks
- Information Circuit design
- Bioinformatics
- Computer systems
- Travel the world! Look into study abroad opportunities at Office for International Programs & Partnerships.
- Submit your application(s) for graduate school, an apprenticeship, or for full-time employment.
- Meet with your university academic advisor and 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 My Majors.
- 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.
- Cold or flu getting you down? We have Student Health Services on campus with free office visits.
- Shoot for a GPA of 3.0 or higher.
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**APPLY WHAT YOU LEARN**

- Check your UTRGV email for the daily Messenger for a job opportunity.
- Research shows that students who work on campus are more likely to graduate in 4 years. Check DegreeWorks to make sure you are on track for graduation next year.
- Ask a student in class to study with you.
- Participate in a campus-sponsored community service project.
- Ask a student in class to study with you.
- Consider attending the Leadership Academy or attend the Engaged Scholar Symposium.
- Look for community service opportunities, visit the Engaged Scholarship & Learning Office.
- Suggest someone you know to take a creative workshop at the Engaged Scholar Symposium!
- Consider a major in human resources, management or a creative workshop at the Engaged Scholar Symposium!
- Look at study abroad opportunities! Consider going to Europe or Asia!
- Check out a cultural campus or community event such as NESTEC or FESTIBA.
- Join another student organization, such as IEEE-EKN, SHPE, Student Government, or visit Vlink for options.
- Check out a campus event that offers free lunch or entertainment.
- Update your résumé and set up your profile on the Handshake icon: (My.UTRGV.edu).
- Create a résumé and set up your profile on the Handshake icon: (My.UTRGV.edu).

**GLOBAL, CAMPUS & COMMUNITY ENGAGEMENT**

- UTRGV has a Writing Center and a Learning Center. Make it a point to visit them!
- Complete your core English classes (section 010) during your first year.
- Complete 42 credit hours every year in order to graduate in 4 years.
- Shoot for a GPA of 3.4 or higher.
- Take MATH 2413 & 2414 in your first year.
- Complete 15 credit hours.
- Complete at least 28 credit hours to graduate.
- Submit your application(s) for graduate school, an apprenticeship, or for full-time employment.
- Visit my.UTRGV.edu
- Signal, image, and communications
- Computer vision and VLSI
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**LIFE AFTER GRADUATION**

- Visit the Career Center site to find a job fair to attend. At the event, approach a recruiter and talk about the opportunities.
- Attend a cultural campus or community event such as NESTEC or FESTIBA.
- Join another student organization, such as IEEE-EKN, SHPE, Student Government, or visit Vlink for options.
- Check out a campus event that offers free lunch or entertainment.
- Update your résumé and set up your profile on the Handshake icon: (My.UTRGV.edu).
- Create a résumé and set up your profile on the Handshake icon: (My.UTRGV.edu).
- Get summer plans? Visit Career Center and ask about places to do some job shadowing.
- Research shows that students who work on campus perform better than those who work off campus. Look for a job on Handshake!
- Check your UTRGV email for the daily Messenger for a job opportunity.
- Meet with your university academic advisor and 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 My Majors.
- Visit a faculty member during their office hours and ask a question about class.
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**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 additional info, visit the Career Center website and check out “What Can I Do With This Major?” www.UTRGV.edu/careercenter