**Option 1**

- **First Year**
  - CHEM 1307 General Chemistry I
  - ELEE 1101 Introduction to Electrical Engineering
  - MATH 2413 Calculus I

- **Second Year**
  - ELEC 3101 Electronics I Lab
  - ELEE 2130 Digital Systems Engineering I
  - PHYS 2426 Physics for Scientists and Engineers II

- **Third Year**
  - ELEE 2305 Electric Circuits I
  - MATH 2414 Calculus II
  - CHEM 1311 Physical Chemistry

- **Fourth Year**
  - ELEE 3301 Electronics I
  - ELEE 3302 Electronics II
  - ELEE 3340 Electromagnetics Engineering

**Option 2**

- **First Year**
  - CHEM 1307 General Chemistry I
  - ELEE 1101 Introduction to Electrical Engineering
  - MATH 2413 Calculus I

- **Second Year**
  - ELEC 3101 Electronics I Lab
  - ELEE 2130 Digital Systems Engineering I
  - PHYS 2426 Physics for Scientists and Engineers II

- **Third Year**
  - ELEE 2305 Electric Circuits I
  - MATH 2414 Calculus II
  - CHEM 1311 Physical Chemistry

- **Fourth Year**
  - ELEE 3301 Electronics I
  - ELEE 3302 Electronics II
  - ELEE 3340 Electromagnetics Engineering

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**Additional Info**

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

2. **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.

3. **Computer Science Prerequisite**
   - CSCI 1370 Computer Science I has a prerequisite of College Algebra or qualification for a higher level math class. If you qualify for Precalculus or Calculus I you can take CSCI 1380.

4. **Preps for Senior Design**
   - To enroll in Senior Design I, students should have finished ELEE 3230 and ELEE 3435, and should have finished or be enrolled in at least 3 credits of 4000-level ELEE coursework.

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**Contact Info**

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- **Dr. Heinrich Foltz**
  - Undergraduate Program Coordinator
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**Degree Info**

Electrical engineering is a broad field with applications in almost all areas of industry including computer systems, control systems, telecommunications, semiconductors, electronics, and electric power. The Department of Electrical Engineering offers a Bachelor of Science in Electrical Engineering (BSEE) degree that is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). This degree provides a broad, solid education in engineering fundamentals as well as the opportunity for in-depth study in specialized topics. Students completing the program will have rigorous foundation for engineering practice in industry as well as for graduate studies in engineering and other disciplines. The program has well-equipped, accessible laboratories and extensive computing facilities.
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 30 credit hours every year in order to graduate in 4 years.

Shoot for a GPA of 3.4 or higher.

Create a résumé and set up your profile on the Career Connection site: (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 student employment opportunities on the Career Center portal.

Check your UTRGV email for the daily Messenger a job on the Career Center portal!

Perform better than those who work off campus. Look for places to do some job shadowing.

Connection icon: (My.UTRGV.edu).

Join a student organization! Consider looking into IEEE or IEEE student society.

BSB, IEEE

- Edinburg, SHPE, or visit VLink (utrgv.edu/vlink)

- HESTEC or FESTIBA.

Travel the world! Look into study abroad opportunities such as HESTEC or FESTIBA.

Consider attending the LeaderShape Institute or attend the Engaged Scholar Symposium.

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!

Seek out research opportunities within Electrical Engineering and join a professional organization such as IEEE professional societies. Check out your options at ieng.org

Check DegreeWorks to make sure you are on track for graduation next year.

Apply for internship and/or job shadowing opportunities. Discuss this with your advisor, faculty mentor, or Career Center.

To find undergraduate research opportunities, visit the Engaged Scholarship & Learning Office.

To go beyond your major, consider creative works at the Engaged Scholar Symposium!

Sharpen your writing skills! Take an intensive writing course such as ENGL 3342 or become the secretary for your organization.

Attend a diversity based campus or community event such as MLK Day of Service.

Attend a cultural campus or community event such as HESTEC or FESTIBA.

Join another student organization, such as IEEE-ENX, SHPE, Student Government, or visit VLink for options.

Check out a campus event that offers free lunch-

Bring a friend!

Your first career fair is good practice for your final! Attend the Engaged Scholar Symposium.

Set up your profile on the Engagement Zone through My.UTRGV.edu.

Set up an informational interview with an individual (especially an alumnus) currently in the field you aspire to work in.

Attend the Engaged Scholar Symposium.

Consider serving on a campus life/community committee or be a student leader and make a difference. Visit VLink or speak with your Student Government Association for more information!

Travel the world! Look into study abroad opportunities at Office for International Programs & Partnerships.

Complete major foundation classes, such as ELEE 1101, ELEE 2330, ELEE 2305, MATH 2346, ELEE 2319, and PHYS 2426.

Complete 30 credit hours.

Apply to the Electrical Engineering program, and find and consult with your electrical academic advisor every semester.

Want to explore different careers? Check out Kuder Journey!

Come ready with course suggestions and questions when you visit your academic advisor.

Visit the Communication Hauser Lab for help with your speeches.

Trouble making your tuition payment? The Financial Aid Office can help. Payment plans and emergency loans are also available.

Cold or flu getting you down? We have Student Health Services on campus with free office visits.

Look to a service learning course for guidance, visit the Engaged Scholarship & Learning Office.

Participate in a campus-sponsored community service project.

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.

Life After Graduation

- Visit your Academic Advising Center to ensure you are on track for graduation.
- Apply for graduation one semester prior to your anticipated date. Visit the Academic Advising Center to ensure you are on track.
- Visit VLink or speak with your Student Government Association for more information!
- Travel the world! Look into study abroad opportunities at Office for International Programs & Partnerships.
- Complete at least 30 credit hours to graduate.
- Submit your application(s) for graduate school, an apprenticeship, or for fulltime employment.
- “I have a plan for after graduation.” If this describes you, great! If not, visit your Faculty Advisor or Career Center!
- Register for your senior design project: ELEE 4361/ELEE 4362.
- Complete at least 30 credit hours to graduate.
- Submit your application(s) for graduate school, an apprenticeship, or for fulltime employment.
- “I have a plan for after graduation.” If this describes you, great! If not, visit your Faculty Advisor or Career Center!
- Register for your senior design project: ELEE 4361/ELEE 4362.