**Department Chair**
Dr. Soma Mukherjee
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**Department Locations:**
Edinburg
ESCE 1.606
Phone: 956-665-3136

Brownsville
BINAB 2.102
Phone: (956) 882-6679

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**Course Requirements:**

**First Year:**
- PHYS 2425 Physics for Scientists and Engineers I (three-hour lecture)
- PHYS 4400 Quantum Mechanics
- PHYS 4401 Electromagnetics
- PHYS 3411 Math Methods in Physics I

**Second Year:**
- PHYS 2426 Physics for Scientists and Engineers II (three-hour lecture)
- PHYS 3412 Math Methods in Physics II
- PHYS 3400 Mathematical Methods
- PHYS 3401 Electromagnetic Theory I

**Third Year:**
- PHYS 4300 Advanced Physics
- PHYS 4302 Modern Physics
- PHYS 4303 Quantum Mechanics
- PHYS 4304 Quantum Mechanics II

**Fourth Year:**
- PHYS 4305 Statistical Mechanics
- PHYS 4306 Advanced Physics Lab or PHYS 4101 Senior Lab Research

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**Additional Info**
Students must fulfill the General Education Core requirements. Within the General Education Core the students are required to take:
- Life and Physical Sciences – 6 hours
  - PHYS 2425 Physics for Scientists and Engineers I (three-hour lecture)
  - PHYS 2426 Physics for Scientists and Engineers II (three-hour lecture)
- Mathematics – 3 hours
  - MATH 2413 Calculus I (three-hour lecture)

**Contact Info**

**Degree Info**
A Physicist has a solid understanding of fundamental laws, which in turn can be applied to a wide area of scientific and engineering fields. It is an exciting career that requires discipline and significant amount of work. It also requires development of mathematical, experimental, theoretical, and computational skills. As a result of the Physicist’s solid and broad background, Physicists can apply to a wide range of job opportunities, including National Laboratories and Research Centers, Industry, and Academia.
Check your UTRGV email for the daily Messenger—locate for a job on Handshake!

Got summer plans? Visit Career Center and ask about SPS (Society of Physics Students).

Join a student organization! Consider looking into the seminars.

Attend a departmental programs, such as the weekly seminars.

Meet with your academic advisor and bring your orientation folder with you to every session!

Choose a major with confidence—visit My.UTRGV.edu and check out MyMajors.

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.

Look for a service-learning course! For guidance, visit Engaged Scholarship & Learning Office.

Participate in a campus-sponsored community service project.

Ask a student in class to study with you.

Want to explore different careers? Check out MyMajors!

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.

Look at study abroad opportunities!

Check out a cultural campus or community event such as MLK Day of Service.

Attend a departmental programs such as the weekly seminars.

Join a student organization! Consider looking into the SPS (Society of Physics Students).

Update your resume in Handshake and have it reviewed.

Visit the Career Center site to find a job fair to attend. At the event, approach a recruiter and discuss internships.

Will a minor expand your career options? We recommend the Chemistry Minor.

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

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

Consider attending the LeaderShape Institute or other leadership opportunities.

To find graduate school opportunities, check out the Physics & Astronomy department website for postings on career/graduate school.

Think about three people you can ask for letters of recommendation (professors, mentors, advisors, supervisors, etc.). Give them at least two weeks’ advance notice!

When is the deadline for your graduate school application? Visiting the program admissions webpage. Most do not accept late applicants!

Have you received your acceptance for graduate school or an employment offer? If not, network: talk to faculty, the Career Center, and get on LinkedIn.

Formulate and implement a strategy for life after graduation: attend career fairs, graduate fairs, apply to fellowships, etc.

Update your information with Alumni Relations. Enjoy alumni mixers, events, and continued access to Career Center resources!

Remember to do your exit loan counseling on studentloans.gov.