MAJOR MAP | B.S. in Physics & Astronomy

Areas A-E
- Review core and other requirements in undergraduate catalog - catalog.gsu.edu
- Take MATH 1113, 2211 and CHEM 1211K-1212K
- Take PHYS 1000 in your first Fall semester. This course is also helpful to non-majors who wish to explore this major.

Areas F
- Complete MATH 2212-2215 and PHYS 2211K-2212K

Area G
- Begin fulfilling Physics and Math core requirements. Since the courses in many of the concentrations must be taken in order, start taking those as well.
- Complete PHYS 3401, 3402, 3901, 3902, 3850 MATH 3260, 4258 and some concentration courses.
- Take junior CTW course, PHYS 3300.

Complete Physics and Math Core requirements including PHYS 4950 – Senior Research. Complete concentration courses and finish any minor or additional courses.
- Complete MATH 4265, PHYS 4600, PHYS 4700: 4000 level lab course, PHYS 4950.
- Take senior CTW course, PHYS 4900 Research Project.

Freshman
- Meet with your freshman advisor in the University Advisement Center - advisement.gsu.edu
- Work throughout your college career with a faculty member on research projects and other major activities as a University Scholar Student - www.gsu.edu/es/apply_university_scholarships.html

Sophomore
- Meet with your sophomore advisor in the University Advisement Center - advisement.gsu.edu
- Build relationships in your Freshman Learning Community - success.gsu.edu
- Consider joining the Honors College - honors.gsu.edu
- Take advantage of a Study Abroad course during Maymester or summer term - wwwstudyabroad.gsu.edu

Junior
- Meet with your senior advisor in the University Advisement Center - advisement.gsu.edu
- Meet with your undergrad director and declare your concentration.
- Participate in an activity that enables you to meet faculty, students, and staff from your major.
- Monitor the department colloquia page and attend the advertised lectures - http://www.phy-astr.gsu.edu/Colloquia.html
- Look into the Cosmic Ray Project, Georgia Science Olympiad and Fun Physics Camp.
- Join a study group or tutorial session.
- Join the Society of Physics Students - www.phy-astr.gsu.edu/sps/sps.html
- Participate in department picnic or volunteer to help with the Science Olympiad.

Senior
- Meet with your senior advisor in the College Office of Academic Assistance.
- Review your graduation audit with the department undergraduate director.
- Work as a teaching assistant for introductory laboratories or an assistant in research groups.
- Participate in one of the department’s Outreach Activities.
- If eligible, join the Sigma Pi Sigma Honor Society - www.phy-astr.gsu.edu/sps/sigma.html
- Get access to Physics Majors Study Room through Department Director of Undergraduate Studies.
- If considering graduate or professional study take the appropriate examination.

Grades & Beyond
- ASTRONOMY: Teaching, Research, Writing
- MATERIALS AND SEMICONDUCTOR PHYSICS: Basic and Applied Research and Development, Teaching, Consulting, Administration
- ASTROPHYSICS: Teaching, Research and Design, Consulting, Astronautics, Administration
- BIOPHYSICS: Teaching, Basic and Applied Research and Development, Consulting, Administration
- FLUID AND PLASMA PHYSICS: Teaching, Applied and Basic Research and Development, Consulting, Administration
- GEOPHYSICS: Basic and Applied Research and Development, Teaching, Exploration, Consulting, Administration
- NUCLEAR PHYSICS: Basic and Applied Research and Development, Teaching, Exploration, Consulting, Administration
- EDUCATION: Teaching, Secondary Education

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