

Physics - Automation & Instrumentation, BS

Placement Exams for the Major:

Please note that all tests below are timed tests that can only be attempted once. Please take a moment to prepare.

Please make sure your calculator has fresh batteries or is fully charged. During the test, please turn off all distractions.

1. [Math Placement Test](#) - Only if your SAT MAT was less than 550 or your ACT MAT was less than 22. Take this online placement test as soon as possible and prior to registering for classes. If you don't pass the Math Placement Test with a score of 10 or higher, then register for MAT 1001.
2. [Calculus Readiness Test](#) - You must take Calculus (MAT 1110) for this major and therefore need to take this test regardless of your SAT or ACT score. **If you do not pass the Calc Readiness**, sign up for MAT 1025.

First-Year Student Course Recommendations:

1. RC 1000 or UCO 1200 if there are seats available. If not, it's fine to take both classes in the spring semester.
2. **Enroll in MAT 1025 and PHY 1123 with PHY 1113** (see Math Placement note above)
OR
3. Enroll in ***MAT 1110 and PHY 1170 section 410 with PHY 1160** (see Math Placement note above)
4. Enroll in a General Education **Wellness Literacy** course

Having trouble registering?

- Review the [Student Self-Service Guide](#) for Registration instructions and videos.
- If the courses above are closed, [add yourself to waitlists](#).
- Then add appropriate classes from page 2 of the [2025-2026 Checksheet](#) until you have registered for 12-15 total hours.
- Use the [Gen Ed Requirements in the Bulletin](#) to look up Gen Ed course descriptions.
- Use this [Course Prefixes/Subjects list](#) to know which subject to choose in the Class Search in AppalNet.
- Rewatch the [Gen Ed video in PREP](#) to better understand the Categories and Designations components of Gen Ed.
 - All English Literary Studies: ENG xxxx (LS) designation courses have a prerequisite of R C 1000, First Year Writing (R C = Rhetoric & Composition.)
- BOONE CAMPUS students: Here is a [color-coded 2-page General Education checksheet](#) (updated 3x/day) that shows which Boone Campus Gen Ed classes have open seats.

In your first semester of the major it is recommended that you not take more than 14 hours of course work because of the difficulty of physics and math courses in the same semester.

All students intending to major in Physics are welcome to contact [Dr. Brooke Hester](#) to discuss your interests in Physics and to receive course recommendations.

Can't get into the classes above? Complete the Physics Waitlist Form by clicking on the course title in the Class Schedule and using the waitlist link. The Physics Department will get back to you via your App State email.

If you can't get into your other classes, put yourself on the waitlist.

Have you built a 12-14 hour schedule using the classes above?

Are you looking for a class to help you build your skills to be successful in college and help you adjust to college life? Check out these elective courses: [College Success Seminar](#) and [Academic Success Courses](#).

C Trew 4/17/25

Links/Info Updated by AH, 4/18/23

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