**Physics (BS): Sample Curriculum, Physics Concentration**

**Freshman**
- CHEM 111 (4) General Chemistry I
- Math 201 (5)
- CSC 160 (4) or CHE 112 (5)*
- GT-AH 1,2,3,4 / AUCC Cat. 3B Arts/Hum. Course 2 (3)
- Written Comm. Course 1 (3)

**Sophomore**
- PHY 211 (5)
- Math 203 (4) or 204 (5)
- GT-AH 1,2,3,4 / AUCC Cat. 3B Arts/Hum. Course 2 (3)
- Written Comm. Course 2 (3)
- GT-HI1 / AUCC Cat. 3D Hist. Perspect. Course (3)

**Junior**
- PHY 212 (5)
- Math 265 (3) or 261 (4) Or 266 (4)
- GT-SS 1,2,3 / AUCC Cat. 3C Soc./Behav. Sci. Course (3)
- Math and Statistics Course (3)***
- Elective (3)

**Senior**
- PHY 213 (3)
- PH 245 (3) Electronics
- PH 293 (1) Selected Topics
- PH 315 (2) Modern Phys. Lab
- Elective (3)
- Elective (3)
- Elective (3)

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**Technical Course (3)***

**Note on free electives:** The Physics Department encourages students to focus coursework in the free electives to additional coursework that will strengthen the degree (which may mean additional technical electives or coursework towards a STEM minor or second STEM major). This may shift placement earlier in the curriculum, increasing the credit count or shifting other requirements to a later term. If a number is shown on the bottom right of a course, it indicates the semester a course must be completed in order for the student to stay on a 4-year graduation plan.

**IMPORTANT:** The student must maintain a 2.0 GPA and have a C- or better in all the Major Core Courses and All-University Core Curriculum (AUCC) courses.

**KEY**

- Course name
- Course No. (credits)
- Major Core Course offered only in Fall Term
- Major Core Course offered only in Spring Term

- Strongly recommended, but not required
- Course requires a corequisite (arrow enters from side)
- Course required as a co- or prerequisite

**Total Hours:** 120+

* The student may transfer either Computer Science 1 CSC 160 (3) or General Chemistry 2 CHE 112 (5), which counts as a technical elective. If the student transfers Chemistry 2, see the course catalog or another map for recommendations on computer programming courses. If the student transfers more than 60 hours, the courses will count towards requirements, but the student still needs 60 credits hours from CSU.

**The student may transfer either Computer Science 1 CSC 160 (3) or General Chemistry 2 CHE 112 (5), which counts as a technical elective. If the student transfers Chemistry 2, see the course catalog or another map for recommendations on computer programming courses. If the student transfers more than 60 hours, the courses will count towards requirements, but the student still needs 60 credits hours from CSU.

Note that the Physics Department strongly recommends either PH 327 or MATH 369 + MATH 332 (6) be taken prior to PH 451 Quantum Mechanics I.

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16 credits 14-15 credits 15-16 credits 14 credits 15 credits 16-17 credits 15 credits

Revised November 15, 2018

Meets guidelines outlined by the Colorado Dept. of Higher Ed.: https://highered.colorado.gov/Academics/Transfers/TransferDegrees.html