Sample Four Year Plan

Physics (BS), General Physics Track, Start with Calculus II

Semester 1
- TRU 120: First Year Seminar (3 cr)
- PHYS 185: College Physics I (4 cr)
- MATH 263: Analytic Geometry and Calculus II (4 cr)
- Dialogues Curriculum course (3 cr)

Semester 2
- MATH 264: Analytic Geometry and Calculus III (4 cr)
- PHYS 186: College Physics II (4 cr)
- PHYS 190: Calculus for Physics I (1 cr)
- STAT 290: Statistics (3 cr)

Semester 3
- PHYS 191: Calculus for Physics II (1 cr)
- MATH 365: Ordinary Differential Equations (3 cr)
- CS 170: Introduction to Computer Science I (4 cr)
- Dialogues Curriculum course (6 cr)

Semester 4
- PHYS 250: Modern Physics I (3 cr)
- PHYS 310: Intermediate Laboratory (2 cr)
- PHYS 275: Vibrations and Waves (3 cr)
- Dialogues Curriculum course (6 cr)

Semester 5
- PHYS 320: Electronics (3 cr)
- PHYS 351: Modern Physics II (3 cr)
- PHYS 382: Mathematical Methods in Physics (3 cr)
- JINS 3XX: WE/_____ (3 cr)
- Dialogues Curriculum course (3 cr)

Semester 6
- PHYS 345: Junior Seminar (1 cr)
- PHYS 386: Classical Mechanics (3 cr)
- PHYS 446: WE/Advanced Laboratory (3 cr)
- Dialogues Curriculum course (6-9 cr)

Semester 7
- PHYS 486: Thermodynamics and Statistical Mechanics (3 cr)
- PHYS 580: Quantum Mechanics (3 cr)
- Dialogues Curriculum course (6-9 cr)

Semester 8
- PHYS 445: WE/Physics Capstone (2 cr)
- PHYS 482: Electricity and Magnetism (3 cr)
- PHYS 518: Advanced Topics (1-5 cr)
- Dialogues Curriculum course (3-9 cr)

NOTES:

- WE = Writing Enhanced course
- If you have not completed the Civics Exam, we recommend doing so in your **first year**.
- Truman students are required to complete a Portfolio to graduate. We recommend starting to compile your work for the Portfolio sooner than later.
- Students must complete their Application to Graduate **the semester prior to graduating**. Apply to graduate through TruView.
- Graduating seniors need to complete their seniors test and questionnaire. We recommend reviewing the Assessment & Testing page to plan accordingly.
- **The Dialogues curriculum** requires a certain number of courses/credit hours in the following Perspectives: Social, Arts and Humanities, STEM, Communications, and Statistics. The exact number of courses a student will be required to take during their undergraduate career varies individually according to the credit transferred in.

Department Chair: Please contact the Center for Academic Excellence with any updates to the plan above. Rev. 8-6-24