Name:	Sooner ID:

## **Bachelor of Science in Engineering Physics (B372)**

Summer 2023 through Spring 2024 – Total Credit Hours: 129

This flowchart is not an official check sheet of degree requirements. It is meant to be used as a supplemental visual guide to be used along with the official University of Oklahoma degree check sheet. **SOPHOMORE FRESHMAN JUNIOR SENIOR** Spring Fall Fall Fall Fall Spring Spring Spring 17 Hours 17 Hours 14 Hours 17 Hours 16 Hours 16 Hours 15 Hours 17 Hours **MATH 3423 PHYS 4310 PHYS 4320** PHYS 3302 or 3312 **MATH 3413 MATH 1914 MATH 2924 MATH 2934** Physical Math II Senior Research Senior Research Advanced Calculus I Calculus II Calculus III Physical Math I Add'I prereg MATH Project Project or Lab I or II 2934 or 2443 (Capstone 2 hrs) (Capstone 2 hrs) 2443 **PHYS 1205 PHYS 1215 PHYS 3043 PHYS 2203 PHYS 3053 PHYS 3803 PHYS 4153** Approved Physics Intro Physics for Intro Physics for Physical Intro Physics III: Physical Intro to Quantum Statistical Physics & Elective Physics Majors I Physics Majors I Mechanics I Modern Physics Mechanics II Mechanics I Thermodynamics (3 hrs) Add'l Prereq: PHYS 1205 PHYS 2524 + 1321 PHYS 2514 + 1311 Physics for Engr Physics for Engr II ENGL 1213 or **PHYS 3183** Engineering AME 3153 (F) or Engineering **ENGL 1113 Technical Elective EXPO 1213 PHYS 2303** Elective (3 hrs) Electricity & CEES 2223 (Sp) **Physics Elective** English Comp or **English Composition** Electronics (3 hrs) Magnetism I 2000-4000 level Fluid Mechanics (3 hrs) **Exploratory Writing ENGR 2002 ENGR** Prof. Development Engineering Engineering Engineering Engineering **CS 1313** 1411/1421/3511 **CHEM 1315** Elective (3 hrs) Elective (3 hrs) Elective (3 hrs) Elective (3 hrs) Prog. with C General Chemistry Engineering 2000-4000 level 2000-4000 level Design Sequence II Design Sequence IV Prereq: --OR--Pathways Soph standing & CS 1321/1323/1324 **ENGL 1213** Prog. in Java Coreq: ENGR 1411/3511 CAS Engineering Engineering Engineering 1523/ 1533/ 1543 HIST 1483 or 1493 **Approved Elective Approved Elective** Elective (3 hrs) Elective (3 hrs) Elective (3 hrs) First-year **US History** Social Science Artistic Forms Design Sequence I Design Sequence III Design Sequence V Experience **PSC 1113** Approved Elective Approved Elective American Federal World Culture Western Culture Government

At least one of these Gen. Ed. courses must be 3000-4000 level.

Foreign Language: 2 semesters college level or 2 years of high school.

Shaded courses offered once per year during designated semester.