University Scholars Program is for BS students only

Year 1:

Fall
‡UK Core CC1 (3)
UK Core QFO (MA113: Calculus I AND MA 193: Supp.Math Workshop I) (5)
UK Core NPM (PHY 231: General Univ. Physics I) (4)
UK Core NPM (PHY 241: General Univ. Physics Lab I) (1)
CHE 105: General Chemistry I (4)
Total Credits: 17

Spring
UK Core CC2 (3)
MA 114: Calculus II AND MA 194: Supp. Math Workshop II (5)
PHY 228: Optics, Relativity and Thermal Physics (3)
CHE 107: General Chemistry II (3)
CS 115: Intro to Programming (OR 200+ Related Elective) (3)
Total Credits: 17

Year 2:

Fall
Foreign language 101 (4)
A&S NS (PHY 232: General Univ. Physics II) (4)
A&S Lab (PHY 242: General Univ. Physics Lab II) (1)
PHY 335: Data Analysis for Physicists (1)
MA 213: Calculus III (4)
Total Credits: 14

Spring
Foreign language 102 (4)
UK Core SIR (STA 210: Intro to Statistical Reasoning) (3)
MA 214: Calculus IV (3)
PHY 306: Theoretical Methods of Physics (3)
PHY 361: Principles of Modern Physics (3)
Total Credits: 16

Year 3:

Fall
Foreign language 201 (3)
UK Core ACR (3)
PHY 404G: Mechanics (3)
PHY 416G: Electricity and Magnetism I (3)
MA 322: Matrix Algebra (OR 200+ Related Elective) (3)
Total Credits: 15

Spring
Foreign language 202 (3)
UK Core HUM (3)
UK Core SSC (3)
PHY 417G: Electricity and Magnetism II (3)
AST/PHY 395, PHY 435 or PHY 508 (3)
Total Credits: 15
**Year 4:**
**Fall**
UK Core GDY (3)
A&S SS (3)
PHY 402G: Electronic Instrumentation (OR Additional Physics Lab Requirement) (3)
PHY 520: Introduction to Quantum Mechanics (3)
◊ Elective 3
Total Credits: 15
**Spring**
UK Core CCC (3)
A&S HUM (PHI 200+) (3)
PHY 521: Introduction to Quantum Mechanics II (3)
PHY 535 (GCCR): Advanced Physics Laboratory (3)
◊ Elective (3)
Total Credits: 15

**Year 5:**
**Fall**
Any PHY 500 level course PHY 5XX (3)
Any PHY 500 level course PHY 5XX (3)
Any PHY course of 600 or above PHY 6XX / PHY7XX (3)
Any PHY course of 600 or above PHY 6XX / PHY7XX (3)
Total Credits: 12
**Spring**
Any PHY course of 600 or above PHY 6XX / PHY7XX (3)
Any PHY course of 600 or above PHY 6XX / PHY7XX (3)
Any PHY course of 600 or above PHY 6XX / PHY7XX (3)
Oral final examination at the end of the semester
Total Credits: 9