UPPER DIVISION UNIVERSITY SCHOLARS REQUIREMENTS

COLLEGE OF SCIENCES AND HEALTH PROFESSIONS

PHYSICSDEPARTMENT

Major field requirements for a B.S. Honors in Physics Math and Computer Science (19 credits): CIS 151 CIS 260 Programming (4 credits) MTH 181 Calculus I (4 credits) MTH 182 Calculus II (4 credits) MTH 281 Multivariable Calculus (4 credits) Physics Courses (50 credits) PHY 243H University Physics I (5 credits) PHY 244H University Physics II (5 credits) PHY 320 Introduction to Computational Physics PHY 325 Introduction to Theoretical Physics PHY 330 Introduction to Modern Physics PHY 340 Mechanics and Vibrations I PHY 341 Mechanics and Vibrations II PHY 350 Electricity and Magnetism I PHY 351 Electricity and Magnetism II PHY 360 Electronics PHY 441 Quantum Physics I PHY 450 Optics and Electromagnetic Waves PHY 455 Optics Labs PHY 474 Thermal Physics (CAP) (4 credits) PHY 475 Statistical Physics Honors Contract Courses (10 credits) PHY 395 Seminar PHY 441 Quantum Physics II PHY 493 Advanced Topics (variable credit, take as 2 + 2, minimum of 4 credits required)

Courses without credits listed are now three credits.

PHY 493 Research requires a written and oral presentation at the completion of the project

In order to graduate with the B.S. Honors in Physics, students must have a cumulative grade point average, upon graduation, of 3.20 or higher in PHY and MTH courses. A student who does not achieve this, but meets all the requirements for the B.S. degree in Physics, will receive that degree instead.

Approved by Honors Council: April 2, 2014