

Resolutions of The Board of Trustees

Lincoln University, PA

**RESOLUTION 468
November 16, 2013**

**BACHELOR OF SCIENCE IN
ENGINEERING SCIENCE PROGRAM**

RES468_111613

WHEREAS, Lincoln University seeks to offer a new degree program in Engineering Science that will be a multidisciplinary program that will take an integrated approach to understanding the application of engineering, scientific, and mathematical principles ; and

WHEREAS, the program will provide a broad foundation in the sciences and associated mathematics that underlie engineering and provide students the opportunity to obtain a depth of knowledge in an area of their choosing through electives and undergraduate research; and

WHEREAS, the curriculum is designed for students who seek to link the engineering disciplines with science; and

WHEREAS, in addition to taking core courses in mathematics, physics, chemistry, and biology, students will study thermodynamics, heat transfer, electromagnetics, solid and fluid mechanics, electrical devices, and materials science; and

WHEREAS, during the Junior and Senior years, all students select a focus area of study, complete a capstone project and write a research paper that integrates the scientific principles of research, design and analysis and applies them to engineering; and

WHEREAS, focus areas of study include, but are not limited to: electrical,

computer, environmental, and materials and are typically interdisciplinary. Hence, Engineering Science students achieve both depth and breadth in engineering and science, are able to function across disciplines, and graduate well prepared for advanced studies as well as professional employment; and

WHEREAS, in future years, the program will add emphasis in the following areas, mechanical, civil, bioengineering, energy, and environmental engineering; now, therefore be it

RESOLVED, that the Lincoln University Board of Trustees approves the Bachelor of Science in Engineering Science program proposal.