

Appendix Two

Tier 1 and 2 Academic Science Technology Engineering and Math (STEM) Listing

The following list outlines the Tier 1 and 2 academic majors as prescribed by Commander, Naval Service Training Command as Navy approved STEM degree majors¹.

1. Tier 1 Academic Majors

- a. Aerospace, Aeronautical, Astronautical Engineering
- b. Chemical Engineering
- c. Electrical Engineering
- d. Mechanical Engineering
- e. Naval Architecture & Marine/Naval Engineering
- f. Nuclear Engineering
- g. Ocean Engineering
- h. System Engineering

2. Tier 2 Academic Majors

- a. Agricultural/Biological Engineering & Bioengineering
- b. Architectural Engineering/Architectural Engineering Technologies
- c. Astrophysics
- d. Biochemistry, Biophysics & Molecular Biology
- e. Biomathematics & Bioinformatics
- f. Biomedical/Medical Engineering

¹ NSTC Instruction 1533.3A, 28 May 2009

- g. Biotechnology
- h. Cell/Cellular Biology & Anatomical Sciences
- i. Ceramic Sciences & Engineering
- j. Chemistry
- k. Civil Engineering/Civil Engineering Technologies
- l. Computer Engineering
- m. Computer Programming
- n. Computer Science/Information Technology
- o. Construction Engineering
- p. Electronics & Communications Engineering
- q. Engineering Mechanics
- r. Engineering Physics
- s. Engineering Science
- t. General Science
- u. Industrial Engineering
- v. Materials Engineering
- w. Mathematics
- x. Metallurgical Engineering
- y. Microbiological Sciences and Immunology
- z. Mining & Mineral Engineering

- aa. Nuclear & Industrial Radiologic Technology
- bb. Oceanography
- cc. Petroleum Engineering
- dd. Pharmacology & Toxicology
- ee. Physics
- ff. Physiology, Pathology & Related Sciences
- gg. Polymer/Plastics Engineering
- hh. Quantitative Economics
- ii. Statistics
- jj. Textile Sciences & Engineering