

(BS=0.5,ET=3.0,MA=0.0)

**Scope:**

2009-2

**Offerings:**

2013-2 2014-2 2015-2

This course is an introduction to modern polymer chemistry and engineering. It provides an introduction to macromolecules and their properties. It covers polymerization methods, copolymerization, the morphology of polymers, and the testing and characterization of polymer products. The course also introduces the flow properties of polymers, polymer additives, natural and biomedical polymers and modern polymer technology, including the military uses of polymer products.

**Lessons:** 47 @ 55 min (2.500 Att/wk)**Labs:** 0 @ 0 min**Special Requirements:**

All cadets will complete an integrative experience group project that will investigate the social, political and economical implications of a polymer technology.

**Prerequisite(s):**

CH102

-Or- CH152