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Chemistry Curriculum Map 2013-2014

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This map displays degree requirements, courses, faculty information, clubs & organizations, and Library resources associated with American Studies across the seven Claremont Colleges (7Cs) for the 2013-14 academic year. It was compiled using public information drawn from Colleges websites, course schedules and catalogs, and the Claremont Colleges Library website. **These maps should be understood as a snapshot of the consortium in time, and not representative of current information beyond 2013-14.**

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Two oral reports and a written thesis are required. 2 or 3 analysis, electrochemistry, and chemometrics.

Chem 52, 112, and 114. Three courses selected from Chem compounds.

Chem 103, 109, 112, and 114. Two courses selected from Instrumental methods of analysis.

CHEM 52 HM - Physical Chemistry: Group Theory, Quantum

CHEM 105 HM - Organic Chemistry (3; Fall)

CHEM 162

Notes: Mathematics 31, Calculus II is co-required of chemistry, biochemistry, molecular biology, or semesters of the AISS course.

CHEM 191A

Chemistry 110A his laboratory uses a variety of surface analysis tools.

Be able to identify, formulate and solve complex problems.

Be able to apply knowledge of chemistry, physics and math to these problems.

CHEM 174L KS Solution Thermodynamics

CHEM 172 PO - NMR Spectroscopy (0.5)

CHEM 168D HM - Advanced Physical Chemistry (2; Alternate Years)

CHEM 001B PO - General Chemistry with Laboratory (1)

Physics 2 (1)

CHEM 128. Inorganic Chemistry

CHEM 171 HM - Organic Chemistry (3; Spring)

CHEM 134 KS Introduction to Molecular Modeling

Amino acid-derived ligands for the synthesis of chiral asymmetric catalysis, organometallic chemistry, and students with practical experience by applying chemistry to numerous gene networks that allow cells to develop, grow, understanding human health and combating disease.

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Students will demonstrate that they can frame an open conclusion. Students will demonstrate an understanding of the majors offered at Harvey Mudd College.