

Curriculum Matrix

B.A. in Chemistry

| CHEM Course *Lab Course WP= Writing proficiency course | Goal 1 Understand Chem. Theory | | | Goal 2 Profic. Lab Manipulations | | | Goal 3 Quant. Analysis Exp. Data | | | Goal 4 Written & Oral Commun. | | |
|--|--|---|---|--|--|---|---|--|---|---|-----------------------------------|----------------------------------|
| | Outcome A Use basic underst. of matter to explain complex phenom. | Outcome B Theory in inorganic organic physical analytical biochem. | Outcome C Apply math to chem. concepts | Outcome A Chem. analysis with modern instrum. | Outcome B Design & modify instrum. based exp. | Outcome C Chem. safety & environ. impact | Outcome A Analysis exp. results using chem. theory | Outcome B Perform analyses with good accuracy & precision | Outcome C Treat data with statistics on a computer | Outcome A Retrieve info. From chem. literature | Outcome B Well written reports | Outcome C Clear oral present. |
| 111* | i | i | i | i | | i | i | i | i | | i | |
| 112* | i | i | i | i | | i | i | i | i | | i | |
| 270* | i/p | i | | i | | i | i | i | | | i | |
| 320* | p | p | p | i/p | i/p | p | p/m | p/m | i/p/m | | m | |
| 331 | m | m | m | | | | | | | | | |
| 361 | m | p | p | | | | p | | | p | | |
| 370 | p/m | p/m | | i | | p | p | p | | | p | |
| 370M* | p | p | | p | p | p | p | p | i | i | p | i |
| 381* | m | m | i | m | p/m | m | m | m | p/m | | | |
| 401 (WP) | | | | | | | | | | m | p | m |
| 451 | m | p | p | | | | | | | | | |

Abbreviations: (i) introduction, (p) practice, (m) mastery.