



Math 1143 or 1147 are required for Chem 1111 and Phys 1111.  
 An additional 8 credits at the 300-400 level are required.  
 Courses with gray backgrounds are options for these credits.  
 3311, 4481, and 4482 are also options for these credits and these are not shown on this diagram.  
 These credits may not include 4491 and no more than 2 credits of 3311 and 2 credits of 4481-4482 may be counted.  
 3 credits of 4445/4447 may be counted.

A total of 36 upper division credits are required.

No p-chem pre-requisite for 4407 is currently included on this diagram because the catalog now says 3351.