

# Plan II Math/Science Substitutions (*all catalogs*) Updated 4/21

Requirement:	Plan II Courses	Exceptions & Substitutions	Majors Using Exceptions
Logic / Modes of Reasoning	PHL 313Q / T C 310	ASE 211K or COE 311K ARC 311K C E 311K STA 371H or 375H or 371G SDS 328M SDS 328M BME 335 CHE 348 C E 311K COE 211K or 311K C S 311 or 311H ECO 329 E E 312 or 312H C E 311K PGE 310 HDF 315L M 362K or 325K or 325KH M E 318M PGE 337 PHY 329 PSY 418, PSY 420M S W 318 SOC 317L	Aerospace Engineering Architecture Architectural Engineering Business/ Business Honors Biology / Public Health Biochemistry / Neuroscience Biomedical Engineering Chemical Engineering Civil Engineering Computational Engineering Computer Science / Dean's Scholars Economics Electrical & Computer Engineering Environmental Engineering Geo. Engineering & Hydrogeology Human Development/Fam. Science Mathematics Mechanical Engineering Petroleum Engineering Physics Psychology Social Work Sociology <b>Anyone may use these substitutions</b>
Math	M 310P	M 408C + M 408D M 408K/R + M 408L + M 408M M 408N/R + M 408S + M 408M M 408Q + M 408L + M 408M  AP credits in calculus may fulfill part or all of this requirement (DS and Mathematics majors may take alternative math sequence)	Engineering, Business, Natural Sciences & Economics majors require some calculus <b>Anyone may use these substitutions</b>
Biology	BIO 301E	BIO 311C + BIO 311D BIO 315H  (BME majors may substitute BIO 311C + BIO 325)	Biology, BME, and pre-med require these courses <b>Anyone may use these substitutions</b>

Requirement:	Plan II Courses	Exceptions & Substitutions	Majors Using Exceptions
Physics	PHY 321	<p>Plan II Nutrition* (NTR 365 only Ntr Biochem: Busting Ntr Myths)</p> <p>2 upper division PHY courses (excluding 370C, 371C, 341)</p> <p>2 upper division CH courses (excluding 320M/328M, 320N/328N, 220C, 128K, 128L, 341, 644, 144K, 144L, 368, 368L, 369K, 371K, 372C, 375K/475K)</p> <p>2 upper division BCH courses (excluding 369K)</p> <p>BME 365R + BME 365S</p> <p>NEU 330 + NEU 335</p> <p>NTR 342 + upper division BCH course (excluding BCH 369K)</p>	<p>Plan II</p> <p>Biochemistry, Biomedical Engineering, Chemistry, Neuroscience, Nutrition, and Physics majors require these courses; some Engineering, other Natural Science majors, or pre-med students may also take these courses.</p> <p>Fields of study may be combined with the exception of the BME and NEU substitution sequences. ex: PHY + BCH</p> <p><b>Anyone may use these substitutions</b></p>

*See your advisor with questions about how these substitutions apply to your academic plan.*