

**REQUIRED COURSES\***

Students can be admitted with up to 2 deficiencies that must be completed in first year of program.

COURSE Name(s)	Semesters/ hours	ASU Equivalent(s)
Calculus	3/9	<a href="#">MAT 265</a> or <a href="#">MAT 270</a> AND <a href="#">MAT 266</a> or <a href="#">MAT 271</a> AND <a href="#">MAT 267</a> or <a href="#">MAT 272</a>
Differential Equations	1/3	<a href="#">MAT 275</a>
General Chemistry	2/6	<a href="#">CHM 113</a> AND <a href="#">CHM 116</a>
General Biology	1/3	<a href="#">BIO 181</a>
Physics with Calculus	2/6	<a href="#">PHY 121</a> AND <a href="#">PHY 131</a>
Physiology	1/3	<a href="#">BME 235</a>

**AT LEAST 4 OF THE FOLLOWING 6 (All 1 semester courses)**

COURSE Name(s)	ASU Equivalent(s)
Thermodynamics or Physical Chemistry	<a href="#">CHE 342</a> OR <a href="#">MSE 330</a> OR <a href="#">CHM 345</a>
Fluid Mechanics OR Bioengineering Transport	<a href="#">BME 331</a> OR <a href="#">CEE 341</a>
Engineering Mechanics OR Biomechanics	<a href="#">BME 316</a> OR <a href="#">MAE 212</a> OR <a href="#">EGR 217</a> OR <a href="#">CNE 210</a> OR <a href="#">CEE 210</a>
Electrical Networks OR Circuits 1 semester, 3 hours	<a href="#">EEE 202</a> OR <a href="#">PHY 333</a>
Signals and Systems 1 semester, 3 hours	<a href="#">BME 350</a> OR <a href="#">EEE 203</a>
Materials OR Biomaterials 1 semester, 3 hours	<a href="#">BME 318</a> OR <a href="#">EGR 343</a> OR <a href="#">IND 242</a> OR <a href="#">MSE 211</a> OR <a href="#">MSE 250</a> OR <a href="#">PHY 481</a>