

# Summary of UB Curriculum (General Education) Requirements for Engineers

## *Students entering UB Fall 2016-Spring 2017*

Some required UB Curriculum courses are automatically fulfilled for engineering majors by completion of their required technical courses. To review the [UB Curriculum](#) in its totality, please see [the University Undergraduate Catalog](#). The remaining UB Curriculum requirements that students completing an engineering degree need to fulfill are outlined below with links to the current class schedule pages where you will find possible course offerings/class descriptions.

<p><b>UB Seminar</b> Transfer students entering UB with 45 or more credits earned at a US institution will enroll in the one-credit UB Seminar (<a href="#">EAS 198</a>). All others will take the three-credit UB Seminar. Most first year Engineering majors take <a href="#">EAS 199</a>; Computer Engineers take <a href="#">CSE 199</a>.</p>	3 or 1 credits
<p><b>Communication Literacy 1 – <a href="#">ENG 105</a></b> *Students with an SAT Reading score <math>\geq 610</math> or an ACT English score <math>\geq 27</math> are considered to have met this requirement.* *Students who earn an AP English Language and Composition score of 4 or 5 will receive articulated exam credit for ENG 105.*</p>	4 credits
<p><b>Communication Literacy 2 – <a href="#">EAS 360</a></b> EAS 360, STEM Communication, is a requirement for all SEAS Majors as well as a UB Curriculum Requirement.</p>	3 credits
<p><b>Math and Quantitative Reasoning (MQR)</b> <a href="#">MTH 141</a>, Calculus 1, is required for all engineering majors. This course also satisfies the MQR UB Curriculum Requirement.</p>	4 credits
<p><b>Scientific Literacy and Inquiry Sequence</b> Engineering majors satisfy this requirement via completion of <a href="#">PHY 107</a> and <a href="#">CHE 107/CHE 101</a>. These courses are required for all engineering programs.</p>	8-9 credits
<p><b>Diversity Learning Requirement</b> Students are required to take at least <a href="#">one three-credit course</a> focusing on domestic diversity. Engineering majors are advised to incorporate a diversity course into either the Global or Thematic Pathway.</p>	
<p><b>Thematic and Global Pathways</b> Engineering majors are advised to select Thematic and Global Pathways that align with their major. For more information, see <a href="#">Pathways for Engineering and Computer Science Students</a>, (<a href="http://www.eng.buffalo.edu/undergrad/advisement/pathways/">http://www.eng.buffalo.edu/undergrad/advisement/pathways/</a>)</p>	18 credits total; 12 credits outside of the major.
<p><b>UB Capstone – <a href="#">UBC 399</a></b> The Capstone is the culminating experience of the UB Curriculum program.</p>	1 credit