

CS/IS Science Requirements

Revised March 30, 2004

Science Requirements for the BS in CS:

Choose one pair of lectures and the associated labs and recitations:

Biology Pair:

Take the following course and lab:

BIO U111 General Biology 1	(4 SH)
BIO U112 Lab for BIO U111	(1 SH)

Choose one course and lab from the following options:

BIO U113 General Biology 2	(4 SH)
BIO U114 Lab for BIO U113	(1 SH)
BIO U301 Genetics & Molecular Biology	(4 SH)
BIO U302 Lab for BIO U301	(4 SH)

Chemistry Pair:

CHM U211 General Chemistry 1	(4 SH)
CHM U212 Lab for CHM U211	(1 SH)
CHM U213 Recitation for CHM U211	(0 SH)
CHM U214 General Chemistry 2	(4 SH)
CHM U215 Lab for CHM U214	(1 SH)
CHM U216 Recitation for CHM U214	(0 SH)

Geology Pair:

Take one or both of the following courses and labs:

GEO U200 Dynamic Earth	(4 SH)
GEO U201 Lab for GEO U200	(1 SH)
GEO U220 History of Earth and Life	(4 SH)
GEO U221 Lab for GEO U220	(1 SH)

If you have chosen only GEO U200/U201 above, then choose one course and lab from the options below:

GEO U310 Earth Materials	(4 SH)
GEO U311 Lab for GEO U310	(1 SH)
GEO U340 Earth Landforms & Processes	(4 SH)
GEO U341 Lab for GEO U340	(1 SH)

GEO U520 Applied Hydrogeology	(4 SH)
GEO U521 Lab for GEO U520	(1 SH)
GEO U544 Sedimentation	(4 SH)
GEO U545 Lab for GEO U544	(1 SH)
GEO U546 Coastal Processes	(4 SH)
GEO U547 Lab for GEO U546	(1 SH)
GEO U560 Geographic Information Systems	(4 SH)
GEO U561 Lab for GEO U560	(1 SH)
If you have chosen only GEO U220/U221 above, then choose:	
GEO U542 Fossils and Paleontology	(4 SH)
GEO U543 Lab for GEO U542	(1 SH)

Physics Pair:

Choose one the following pairs of courses, labs, and recitations:

PHY U161 Physics 1	(4 SH)
PHY U162 Lab for PHY U161	(1 SH)
PHY U165 Physics 2	(4 SH)
PHY U166 Lab for PHY U165	(1 SH)
PHY U145 Physics for Life Sciences 1	(4 SH)
PHY U146 Lab for PHY U145	(1 SH)
PHY U147 Physics for Life Sciences 2	(4 SH)
PHY U148 Lab for PHY U147	(1 SH)
PHY U151 Physics for Engineering 1	(4 SH)
PHY U152 Lab for PHY U151	(1 SH)
PHY U153 ILS for PHY U151	(0 SH)
PHY U155 Physics for Engineering 2	(4 SH)
PHY U156 Lab for PHY U155	(1 SH)
PHY U157 ILS for PHY U156	(0 SH)

Although the situation is not ideal, students will be permitted to mix-and-match Physics 1 from one group and Physics 2 from another group to meet requirements. Students must take the labs and interactive learning sessions corresponding to the lectures chosen.

Science Requirements for the BA in CS:

Choose one lecture and its associated lab and recitation:

Biology:

BIO U111 General Biology 1	(4 SH)
BIO U112 Lab for BIO U111	(1 SH)

Chemistry:

Choose one of the following groups:

CHM U101 General Chemistry for Health Sci	(4 SH)
CHM U102 Lab for CHM U101	(1 SH)
CHM U103 Recitation for CHM U101	(0 SH)
CHM U151 General Chemistry for Engineers	(4 SH)
CHM U152 Lab for CHM U151	(1 SH)
CHM U153 Recitation for CHM U151	(0 SH)

Geology:

Choose one of the following groups:

GEO U200 Dynamic Earth	(4 SH)
GEO U201 Lab for GEO U200	(1 SH)
GEO U220 History of Earth and Life	(4 SH)
GEO U221 Lab for GEO U220	(1 SH)

Physics:

Choose one of the following groups:

PHY U161 Physics 1	(4 SH)
PHY U162 Lab for PHY U161	(1 SH)
PHY U145 Physics for Life Sciences 1	(4 SH)
PHY U146 Lab for PHY U145	(1 SH)
PHY U151 Physics for Engineering 1	(4 SH)
PHY U152 Lab for PHY U151	(1 SH)
PHY U153 ILS for PHY U151	(0 SH)

Science Requirements for the BS in IS:

Choose either option A or option B:

- A: Take one course from the Arts & Sciences Core Curriculum, *Methods of Inquiry: Natural World Context*, except for those courses intended for students in specific colleges.
- B: Meet the science requirements as specified for the BA in CS.