

RESTRICTIONS for Elective Courses:**ELECTIVE COURSES: Any number of Astronomy, Aeronautics, Engineering, and Physics courses may be applied to the 12-credit elective minimum with the specified restrictions:**

ASTR 110	Survey of Astronomy (3)
ASTR 110L	Survey of Astronomy Lab (1)
ASTR 170	Introduction to Rocketry (3)
ASTR 180	Planetary Astronomy (3)
ASTR 181	Stellar Astronomy (3)
ASTR 250	Observational Astronomy (3)
ASTR 250L	Observational Astronomy Lab (1)
ASTR 281	Space Explorations (3)
CE 270	Applied Mechanics I (3)
EE 211	Basic Circuit Analysis I (4 lecture/lab)
PHYS 151 or PHYS 170	College Physics I (3) or General Physics I (4)
PHYS 151L or PHYS 170L	College Physics I Lab (1) or General Physics I Lab (1)
PHYS 152 or PHYS 272	College Physics II (3) or General Physics II (3)
PHYS 152L or PHYS 272L	College Physics II Lab (1) or General Physics II Lab (1)
PHYS 274	General Physics III (3)

ELECTIVE COURSES: No more than two of the ICS courses may be applied to the 12-credit elective minimum with the specified restrictions.

ICS 111	Introduction to Computer Science I (3)
ICS 211	Introduction to Computer Science II (3)
ICS 212 or EE 160	Program Structure (3) or Programming for Engineers (4)
ICS 215	Introduction to Scripting (3)

ELECTIVE COURSES: No more than three of the Chemistry and Geoscience courses may be applied to the 12-credit elective minimum with the specified restrictions.

ATMO 101	Introduction to Weather and Climate (3)
CHEM 151 or CHEM 161	Elementary Survey of Chemistry (3) or General Chemistry I (3)
CHEM 151L or CHEM 161L	Elementary Survey of Chemistry Lab (1) or General Chemistry I Lab (1)
CHEM 162	General Chemistry II (3)
CHEM 162L	General Chemistry II Lab (1)
ERTH 101	Dynamic Earth (3)
ERTH 101L	Dynamic Earth Laboratory (1)

AOP

UHManoa: ME 201 or EPET 201 is equivalent to WCC's ASTR 281 Space Explorations (3)