

MATHEMATICS

Required 24 CREDITS
Completed _____ **Need** _____

Math 124 5 _____ 134 _____
 Calculus with Analytic Geometry I

Math 125 5 _____ 135 _____
 Calculus with Analytic Geometry II

Math 126 5 _____ 136 _____
 Calculus with Analytic Geometry III

Math 307 3 _____ AM351 _____
 Differential Equations or AMATH

Math 308 3 _____ AM352 _____
 Matrix Algebra w/Applications or AMATH

Math 324 3 _____ _____
 Advanced Multivariable Calculus

Optional Mathematics Minor

Requires + 6 CREDITS
3XX level or above: Total 30 crs.

Math 309 3 _____ Required

Math 3 _____

ENGINEERING FUNDAMENTALS

Required 16 CREDITS

Completed _____ **Need** _____

AA 210 4 _____ _____
 Engineering Statics

AA 260 4 _____ _____
 Thermodynamics – Formally ChemE 260

CEE 220 4 _____ _____
 Intro. Mechanics of Materials

ME 230 4 _____ _____
 Kinematics & Dynamics

WRITTEN AND ORAL COMMUNICATION

(Early and Upper Division Admission)

Require 5cr.Engl. Comp)

Required 8-12 Credits

_____ 5 _____

Composition

HCDE 231 3 _____ _____
 Intro. to Tech. Writing

Strongly Recommended

HCDE 333+ 4 _____ _____
 Adv. Tech. Writing & Oral Presentation or

+Dept. Alternative _____

AREAS OF KNOWLEDGE

Required 24 CREDITS

Visual, Literary and Performing

Arts (V.L.P.A) 10 credits min.

Completed _____ **Need** _____

Individuals & Societies

(I & S) 10 credits min.

Completed _____ **Need** _____

Additional Credits to equal 24: 4

NATURAL WORLD

(EARLY ADMISSION 10 CRS. FROM BELOW)

Required 25 CREDITS

Completed _____ **Need** _____

Physics 121/121Z 5 _____ _____
 Mechanics & Lab

Physics 122/122Z 5 _____ _____
 Electromagnetism & Oscillatory Motion & Lab

Physics 123/123Z 5 _____ _____
 Waves & Lab

Chem 142 5 _____ _____
 General Chemistry I

Chem 152^ 5 _____ _____
 General Chemistry II
 or
Apvd. NW Elective

Free Electives

Required 6-10 CREDITS

DEPARTMENTAL COURSES

Total Departmental 73 CREDITS

AA 301 4 _____

AA 302 4 _____

AA 310 4 _____

AA 311 4 _____

AA 312 4 _____

AA 320 3 _____

AA 321 3 _____ "W"

AA 322 3 _____ "W"

AA 331 4 _____

AA 332 4 _____

AA 360 4 _____

AA 496 1 _____

AMATH 301 4 _____

Junior Year Sub.Total 46 CREDITS

AA 410 4 _____

or

AA 420 4 _____

AA 411 4 _____

or

AA 421 4 _____

AA 447 4 _____

Senior Year Sub.Total 12 CREDITS

Total Required 58 Credits

AA TECHNICAL ELECTIVES-15 Crs.

AA 400 3 _____

AA 402 3 _____

AA 405 3 _____

AA 419 3 _____

AA 430 3 _____

AA 432 3 _____

AA 440 3 _____

AA 441* 3 _____

AA 448* 3 _____

AA 449 4 _____

AA 461 3 _____

AA 462 3 _____

AA 470* 4 _____

AA 480* 3 _____

AA 499 _____

* May not be offered ever year

