

Student A#

Student Name (Last, First MI)

F=Fall
S=Spring
M=Summer

Semester, Transfer or AP	Grade	Course Number	Cr Hrs	Course Title	Prerequisites, Corequisites and/or Prerequisites with Concurrency	F=Fall S=Spring M=Summer
English - 6 hours						
		EH 101	3	Freshman Composition I	Placement	FSM
		EH 102	3	Freshman Composition II	EH 101	FSM
Mathematics - 18 hours						
		MA 171	4	Calculus A	MA 113 or MA 115 or Level III Placement	FSM
		MA 172	4	Calculus B	MA 171	FSM
		MA 201	4	Calculus C	MA 172	FSM
		MA 238	3	Applied Differential Equations	Prereq w/Con: MA 201	FSM
		MA 244	3	Introduction to Linear Algebra	MA 172	FSM
Chemistry - 4 hours						
		CH 121	3	General Chemistry I	Plcmt or CH 101, MA 113 or 115, Prereq w/Con: MA 171, Coreq: CH 125	FSM
		CH 125	1	General Chemistry Lab I	Coreq: CH 121	FSM
Physics - 8 hours						
		PH 111	3	General Physics w/Calculus I	MA 171	FSM
		PH 114	1	General Physics Lab I	Prereq w/Con: PH 111	FSM
		PH 112	3	General Physics w/Calculus II	MA 172, PH 111	FSM
		PH 115	1	General Physics Lab II	Prereq w/Con: PH 112	FSM
Biology - 4 hours						
		BYS 119	4	Principles of Biology	None	FSM
History, Social & Behavioral Sciences, Humanities & Fine Arts - 18 hours						
			3	HSBS	Choose 3 hours: History, Social or Behavior Science	FSM
			3	HFA	Choose 3 hours: Literature or Fine Art	FSM
			3		3 courses of HSBS/HFA that you have met prerequisites	
			3		Choose from: ARH, CM, EH, FL, GS, GY, HY, MU, PHL, PSC, PY, SOC, WS	
					Choose up to 3 hours of electives:	
					Any courses that you have met prerequisites (Ex. FYE 101)	
Engineering Core - 12 hours						
		CE 271	3	Statics	PH 111, Prereq w/Con: MA 201	FSM
		ISE 321	3	Engineering Economy	Sophomore Standing	FSM
		MAE 310	3	Fluid Mechanics I	MA 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198)	FSM
		MAE 341	3	Thermodynamics I	MA 201, CH 121, CH 125, PH 112	FSM
**	Class has required lab section					
Civil Engineering Option - 52 hours						
		CE 101	1	Prelude to Civil Engineering	None	F
**		CPE 112	3	Intro to Computer Programming in Engineering	MA 113, MA 115 or Level III Placement, Coreq: CPE 112L	FSM
		CE 111	2	Civil Engineering Graphics	MA 112 or Level II Placement, Freshman CE Standing	FS
		CE 272	3	Dynamics	CPE 112, CE/MAE 271	FSM
		CE 284	2	Surveying	Prereq w/Con: CE 111, or Instr/Advsr Approval	F
		CE 321	3	Transportation Engineering & Design	CE 284, MA 171	S
**		CE 370	4	Mechanics of Materials	CPE 112, CE/MAE 271, Coreq: CE 370L	FSM
		CE 372	3	Soil Mechanics	CE/MAE 370, Prereq w/Con: MAE 310	FS
		CE 373	1	Soil Mechanics Lab	Coreq: CE 372	FS
**		CE 380	3	Civil Engineering Materials	CE/MAE 370	FS
		CE 381	3	Structural Analysis I	CE/MAE 272, CE/MAE 370	FM
		ISE 390	3	Probability & Engineering Statistics I	Prereq w/Con: MA 201	FSM
		CE 422	3	Traffic Engineering Design	CE 321	S
		CE 441	3	Hydraulic Engineering Design	MAE 310	S
		CE 449	3	Intro to Environmental Engineering	MAE 341, Prereq w/Con: MAE 310	F
		CE 483	3	Reinforced Concrete Design	CE 380, CE 381	F
		CE 484	3	Steel Design	CE 381, MA 244	F
		CE 485	3	Foundation Engineering	CE 372, CE 483	S
		CE 498	1	Civil Engineering Design I	CE 321, Prereq w/Con: CE 372 and CE 483, Senior Standing	F
		CE 499	2	Civil Engineering Design II	CE 483, CE 498 Coreq: CE 499L (FE Review)	S
Civil Engineering Electives - 6 hours						
Select One Concentration	Struc	CE 481	3	Structural Analysis II	CE 381	S
		CE 487	3	Bridge Design	CE 483	S
		CE 456	3	Water Quality Control Processes	CE 449	S
	Environ	CE 457	3	Hydrology	MAE 310	F
		CE 411	3	Intro to Geographical Information Systems	Senior Standing or Instructor Approval	F
	Transp	CE 420	3	Urban Transportation Planning	CE 321	F
		CE	3			
	Gen	CE	3			
		CE	3		Choose from CE 411, CE 412, CE 420, CE 456, CE 457, CE 458, CE 473, CE 481, CE 484, CE 487	

All prerequisite classes must be completed with a "C" or higher grade.
The Catalog is the final authority for all degree requirements.

UAHuntsville College of Engineering

History, Social & Behavioral Science, Humanity & Fine Art Requirements

A total of 18 hours must be completed from this section; below lists the options to meet these requirements.

3 hours - History, Social or Behavioral Science

Choose one from:

GY 105 – World Regional Geography
GY 110 – Principles of Human Geography
GS 200 – Global Systems and Cultures
HY 103 – World History to 1500
HY 104 – World History from 1500
HY 221 – The United States to 1877¹
HY 222 – The United States since 1877¹
PY 101 – General Psychology I
SOC 100 – Introduction to Sociology
PSC 101 – American Government
WS 200 – Introduction to Women's Studies

3 Hours - Literature or Fine Art

Choose one from:

ARH 100 – Art History Survey: Ancient to Medieval
ARH 101 – Art History Survey: Renaissance to Modern
ARH 103 – Art History Survey: Non-Western
CM 122 – Theater Appreciation
EH 207 – Reading in Literature and Culture I²
EH 208 – Reading in Literature and Culture II²
MU 100 – Music Literature

9 Hours – HSBS/HFA Electives

Choose three, 3 hour courses, from the following subjects in which you have met the prerequisite:

ARH – Art History
ARS – Art Studio³
CM – Communication Arts
EH – English
ECN – Economics⁴
FL – Foreign Language
GS – Global Studies
GY – Geography
HY – History
MU – Music
PHL – Philosophy
PSC – Political Science
PY – Psychology
SOC – Sociology
WS – Women Studies

3 Hours – Electives

Choose courses totaling up to 3 hours from:

Any courses offered at UAH that you have met the prerequisite. (Ex. FYE 101)

Transfer or AP credit accepted:

ART 100 – Art Appreciation
HY 101 – Western Civilization, Part I
HY 102 – Western Civilization, Part II
EH 205 – British Literature I
EH 206 – British Literature II
EH 230 – American Literature I
EH 231 – American Literature II
EH 240 – World Literature I
EH 241 – World Literature II
REL xxx – Old Testament
REL xxx – New Testament

Available Minors at UAHuntsville*:

Art History
Atmospheric Science
Biological Sciences
Business
Chemistry
Classical Studies
Cognate in Technical Writing
Communication Arts
Computer Science
Earth System Science
Economics
English
Entrepreneurship
Foreign Language
Global Studies
History
Human Resources Management
International Business
Management and Leadership
Marketing
Mathematics
Music
Music Technology
Philosophy
Physics
Political Science
Pre-Law Business
Pre-MBA
Psychology
Public History Cognate
Science and Technology Business
Sociology
Studio Art
Theater Cognate
Web Communications
Women's Studies

¹Not open for freshman (< 33 hours)

²Must complete EH 101 & EH 102

³Only ARS 160 will be accepted

⁴Only ECN 142 & ECN 143 will be accepted

*Contact the department of the minor you are interested in for requirements.