

| Student A#                                                                                         |       |                  |           | Student Name (Last, First)                       |                                                                                                                                                                                                                       | Offered:<br>F=Fall<br>S=Spr<br>M=Sum |
|----------------------------------------------------------------------------------------------------|-------|------------------|-----------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Semester,<br>Transfer or AP                                                                        | Grade | Course<br>Number | Cr<br>Hrs | Course Title                                     | Prerequisites, Corequisites and/or<br>Prerequisites with Concurrency                                                                                                                                                  |                                      |
| <b>English - 6 hours</b>                                                                           |       |                  |           |                                                  |                                                                                                                                                                                                                       |                                      |
|                                                                                                    |       | EH 101           | 3         | College Writing I                                | Placement                                                                                                                                                                                                             | FSM*                                 |
|                                                                                                    |       | EH 102           | 3         | College Writing II                               | EH 101                                                                                                                                                                                                                | FSM*                                 |
| <b>Mathematics - 18 hours</b>                                                                      |       |                  |           |                                                  |                                                                                                                                                                                                                       |                                      |
|                                                                                                    |       | MA 171           | 4         | Calculus I                                       | MA 113 or Level III Placement                                                                                                                                                                                         | FSM*                                 |
|                                                                                                    |       | MA 172           | 4         | Calculus II                                      | MA 171 or MA 151                                                                                                                                                                                                      | FSM*                                 |
|                                                                                                    |       | MA 201           | 4         | Calculus III                                     | 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*                                 |
| <b>Chemistry - 4 hours</b>                                                                         |       |                  |           |                                                  |                                                                                                                                                                                                                       |                                      |
|                                                                                                    |       | CH 121           | 3         | General Chemistry I                              | Plcmt or Prereq w/Con: MA 113 or higher, CH 125                                                                                                                                                                       | FSM*                                 |
|                                                                                                    |       | CH 125           | 1         | General Chemistry Lab I                          | Prereq w/Con: CH 121                                                                                                                                                                                                  | FSM*                                 |
| <b>Physics - 12 hours</b>                                                                          |       |                  |           |                                                  |                                                                                                                                                                                                                       |                                      |
|                                                                                                    |       | PH 111           | 3         | General Physics w/Calculus I                     | MA 171 or MA 151; Coreq: 114                                                                                                                                                                                          | 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, PH 114; Coreq: 115                                                                                                                                                                                    | FSM*                                 |
|                                                                                                    |       | PH 115           | 1         | General Physics Lab II                           | Coreq: PH 112                                                                                                                                                                                                         | FSM*                                 |
|                                                                                                    |       | PH 113           | 3         | General Physics w/Calculus III                   | MA 201, PH 112, PH 115; Coreq: 116                                                                                                                                                                                    | FSM*                                 |
|                                                                                                    |       | PH 116           | 1         | General Physics Lab III                          | Coreq: PH 113                                                                                                                                                                                                         | FSM*                                 |
| <b>History, Social &amp; Behavioral Sciences, Humanities &amp; Fine Arts - 18 hours</b>            |       |                  |           |                                                  |                                                                                                                                                                                                                       |                                      |
|                                                                                                    |       |                  | 3         | History                                          | For more information on HSBS/HFA Requirements:<br><a href="http://www.uah.edu/eng/departments/undergraduate-engineering/student-forms">http://www.uah.edu/eng/departments/undergraduate-engineering/student-forms</a> | FSM*                                 |
|                                                                                                    |       |                  | 3         | Literature                                       |                                                                                                                                                                                                                       | FSM*                                 |
|                                                                                                    |       |                  | 3         | Fine Art                                         |                                                                                                                                                                                                                       | FSM*                                 |
|                                                                                                    |       |                  | 3         | Social & Behavioral Science                      |                                                                                                                                                                                                                       | FSM*                                 |
|                                                                                                    |       |                  | 3         | Sequence Course (HY or EH)                       |                                                                                                                                                                                                                       | FSM*                                 |
|                                                                                                    |       |                  | 3         | HSBS/HFA                                         |                                                                                                                                                                                                                       | FSM*                                 |
| <b>Engineering - 4 hours</b>                                                                       |       |                  |           |                                                  |                                                                                                                                                                                                                       |                                      |
|                                                                                                    |       | FYE 101          | 1         | Charger Success: Engineering                     | None                                                                                                                                                                                                                  | F                                    |
|                                                                                                    |       | EGR 101          | 3         | Computing for Engineers                          | Prereq w/Con: MA 113 or MA 151                                                                                                                                                                                        | FSM*                                 |
|                                                                                                    |       | EGR 299          | 0         | Engineering Mentoring I                          | EGR 101, Prereq w/Con: MA 201                                                                                                                                                                                         | FS                                   |
|                                                                                                    |       | EGR 399          | 0         | Engineering Mentoring II                         | EGR 299, Prereq w/Con: EE 382                                                                                                                                                                                         | FS                                   |
| <b>** Class has required lab section Electrical Engineering - 52 hours</b>                         |       |                  |           |                                                  |                                                                                                                                                                                                                       |                                      |
|                                                                                                    |       | EE 202           | 3         | Intro to Digital Logic Design                    | EGR 101                                                                                                                                                                                                               | FSM*                                 |
|                                                                                                    |       | EE 203           | 1         | Digital Logic Design Lab                         | EE 202                                                                                                                                                                                                                | FSM*                                 |
|                                                                                                    |       | CPE 211          | 3         | Intro to Computer Programming in Engineering     | EGR 101, Prereq w/Con: MA 171; Coreq: CPE 211L                                                                                                                                                                        | FSM*                                 |
|                                                                                                    |       | EE 215           | 3         | Electrical Circuit Analysis I                    | Prereq w/Con: PH 112, MA 201                                                                                                                                                                                          | FSM*                                 |
|                                                                                                    |       | CPE 221          | 3         | Computer Organization                            | CPE 211; Prereq w/Con: EE 202                                                                                                                                                                                         | FSM*                                 |
|                                                                                                    |       | EE 223           | 3         | Design & Modeling of Electric Circuits & Systems | EE 202, EE 215                                                                                                                                                                                                        | FS                                   |
|                                                                                                    |       | EE 307           | 3         | Electricity and Magnetism                        | PH 112, MA 201, EE 215                                                                                                                                                                                                | FSM*                                 |
|                                                                                                    |       | EE 308           | 3         | Electromagnetic Engineering                      | EE 307                                                                                                                                                                                                                | FS                                   |
|                                                                                                    |       | EE 310           | 3         | Solid State Fundamentals                         | PH 113; Prereq w/Con: MA 238                                                                                                                                                                                          | FS                                   |
|                                                                                                    |       | EE 315           | 3         | Introduction to Electronic Analysis and Design   | EE 215                                                                                                                                                                                                                | FSM*                                 |
|                                                                                                    |       | EE 316           | 1         | Electronic Measurements & Devices Design Lab     | Prereq w/Con: EE 315                                                                                                                                                                                                  | FS                                   |
|                                                                                                    |       | ISE 321          | 3         | Engineering Economy                              | EGR 101                                                                                                                                                                                                               | FSM*                                 |
|                                                                                                    |       | CPE 323          | 3         | Intro to Embedded Computer Systems               | CPE 221; Coreq: CPE 325                                                                                                                                                                                               | FS                                   |
|                                                                                                    |       | CPE 325          | 1         | Emdedded Systems Lab                             | Coreq: CPE 323                                                                                                                                                                                                        | FS                                   |
|                                                                                                    |       | EE 382           | 3         | Analytical Meth for Continuous Time Sys          | EE 215, MA 238, MA 244                                                                                                                                                                                                | FSM*                                 |
|                                                                                                    |       | EE 383           | 3         | Analytical Meth for Mult and Discr Time Sys      | EE 382                                                                                                                                                                                                                | FSM*                                 |
|                                                                                                    |       | EE 384           | 1         | Digital Signal Processing Laboratory             | CPE 381 or Prereq w/Con:EE 383                                                                                                                                                                                        | FS                                   |
|                                                                                                    |       | EE 385           | 3         | Probability and Statistics for ECE               | EGR 101, MA 201, MA 244                                                                                                                                                                                               | FS                                   |
|                                                                                                    |       | EE 386           | 3         | Introduction to Control and Robotic Systems      | CPE 381 or EE 382                                                                                                                                                                                                     | FS                                   |
|                                                                                                    |       | EE 494           | 3         | EE Design Projects                               | EE 223, EE 307, EE 315, EE 383, EE 385, CPE 323, ISE 321, EGR 399                                                                                                                                                     | FS                                   |
| <b>Electrical Engineering Electives - 12 hours</b>                                                 |       |                  |           |                                                  |                                                                                                                                                                                                                       |                                      |
|                                                                                                    |       |                  | 3         | T1                                               | Track: _____                                                                                                                                                                                                          |                                      |
|                                                                                                    |       |                  | 3         | T2                                               | (Must take a 2 course track in one area.)                                                                                                                                                                             |                                      |
|                                                                                                    |       |                  | 3         |                                                  | 300+ Level course approved by advisor: list of approved EE Electives at                                                                                                                                               |                                      |
|                                                                                                    |       |                  | 3         |                                                  | <a href="http://www.uah.edu/eng/departments/undergraduate-engineering/student-forms">http://www.uah.edu/eng/departments/undergraduate-engineering/student-forms</a>                                                   |                                      |
| EE with Optics Concentration: T1 - OPT 341, T2 - OPT 342, choose 2: EE 416, EE 436, EE 453, EE 454 |       |                  |           |                                                  |                                                                                                                                                                                                                       |                                      |
| <b>Technical Elective - 3 hours</b>                                                                |       |                  |           |                                                  |                                                                                                                                                                                                                       |                                      |
|                                                                                                    |       |                  | 3         |                                                  | 200+ Level Science or Engineering course approved by advisor (AES 210 is not approved)                                                                                                                                |                                      |

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

Note: No ET courses may be used to satisfy degree requirements.  
\*Summer class offerings are subject to instructor availability