First Semester | UAC Advisor: Skye Hicks (skye.hicks@uta.edu)
---|---
**Course Number** | **Course Title** | **Credit Hours** | **Co/Pre- Requisites and Course Alternatives**
ARCH 1301-002 | Intro to Architecture | 3 | Only offered in fall. Department consent required.
ARCH 1341-002 | Design Communications I | 3 | Only offered in fall.
AREN 1105 | Intro to Civil Engineering | 1 |
ENGR 1300 | Engineering Problem Solving | 3 | MATH 1421 co/pre-req or MATH 1426 co/pre-req
MATH 1426 | Calculus I | 4 | Pre-req: MPT Alg Score =/> 17 and MPT Trig Score >/= 13
MAVS 1000 | First Year Experience | |

Total: 14

Second Semester
| Course Number | Course Title | Credit Hours | Co/Pre- Requisites and Course Alternatives |
---|---|---|---|
AREN 1252 | Computer Tools – AutoCAD | 2 | MATH 1421 pre-req or MATH 1426+ co-req
ENGL 1301 | Rhetoric & Composition I | 3 | Course alternative: *Core Class
IE 2308 | Engineering Economy | 3 | MATH 1426 co/pre-req
           |   |   | Course Alternative: *Core Class
MATH 2425 | Calculus II | 4 | C or higher in MATH 1426 (pre-req)
PHYS 1443 | General Technical Physics I | 4 | C or higher in MATH 1426 (pre-req)

Total: 16

Third Semester
| Course Number | Course Title | Credit Hours | Co/Pre- Requisites and Course Alternatives |
---|---|---|---|
ARCH 2553 | Design & Drawing for Engineers | 5 | ARCH 1301 and ARCH 1341 pre-req’s
           |   |   | Only offered in fall. Department consent required.
AREN 2311 | Statics | 3 | PHYS 1443 pre-req
AREN 2153 | Computer Tools - Civil 3D | 1 | CE 1252 pre-req
MATH 2326 | Calculus III | 3 | C or higher in MATH 2425 (pre-req)
PHYS 1444 | General Technical Physics II | 4 | MATH 2425 co/pre-req and PHYS 1443 pre-req
           |   |   | Course Alternative: CHEM 1465

Total: 16

Fourth Semester
| Course Number | Course Title | Credit Hours | Co/Pre- Requisites and Course Alternatives |
---|---|---|---|
AREN 2221 | Dynamics | 2 | CE 2311 and MATH 2425 pre-req’s
AREN 2313 | Mechanics of Materials I | 3 | CE 2311 and MATH 2425 pre-req’s
CHEM 1465 | Chemistry for Engineers | 4 | MATH 1421 co/pre-req or MATH 1426 co/pre-req
EE 2320 | Circuit Analysis | 3 | C or higher in MATH 2425 (pre-req)
*Core Class | | 3 |

Total: 15

*Core Class Options:
- Communication: ENGL 1301 and COMS 2302 (Pre-reqs: 30+ hrs completed; ENGL 1301 and ENGR 1300 or ENGL 1302)
- Language, Philosophy, and Culture: PHIL 2300
- US History: HIST 1311 and HIST 1312 (ENGL 1301 pre/co-req for both)
- Government/Political Science: POLS 2311 and POLS 2312
- Social and Behavioral Science: IE 2308 (MATH 1426 Pre/Co-Req)
- Creative Arts: satisfied with ARCH 1301
- Foundational Component Area: ENGR 1300 (MATH 1421+ co/pre-req)

College of Engineering Transition Requirements:
- 24 credit hours completed, 2.25 minimum GPA, ENGR 1300 and MATH 1421+ completed with a C or better

Please note this 4 semester plan is a model for students entering UTA Calculus ready and making progress in their coursework at the end of each term. This is subject to change based on individual student performance and may require summer course work to stay on track for graduating in 4 years.

1/11/2018