

**SUGGESTED COURSE SEQUENCE FOR COMPUTER SCIENCE
Robotics CONCENTRATION
TOTAL SEMESTER HOURS REQUIRED TO GRADUATE = 121**

YEAR 1

| Fall | | | | Spring | | | |
|-------|-------|---------------------------------|----|--------|------|----------------------------------|----|
| UNIV | 1101 | Freshman Seminar I | 1 | UNIV | 1102 | Freshman Seminar II | 1 |
| ENGL | 1301 | Intro to College Composition | 3 | ENGL | 1302 | College Rhetoric and Composition | 3 |
| MATH | 2413* | Calculus I | 4 | MATH | 2414 | Calculus II | 4 |
| COSC | 1312 | Programming Foundations I | 3 | COSC | 2311 | Programming in JAVA | 3 |
| COSC | 1367 | Introduction to Robotics | 3 | COMM | 1315 | Public Speaking | 3 |
| COSC | 1311 | Foundations of Computer Science | 3 | KINE | | Physical education Course | 1 |
| TOTAL | | | 17 | | | | 15 |

YEAR 2

| Fall | | | | Spring | | | |
|-------|------|-------------------------------|----|--------|-----------|--------------------------|----|
| COSC | 2313 | Data Structures | 3 | MATH | 1324 | Statistics | 3 |
| COSC | 1369 | Robotic Motivation & Building | 3 | COSC | 2327 | Intro to Web Programming | 3 |
| MATH | 2318 | Linear Algebra | 3 | HIST | 1301/1302 | US History 1 or 2 | 3 |
| PHYS | 2425 | Physics I | 4 | PHYS | 2426 | Physics II | 4 |
| KINE | 1304 | Health & Wellness | 3 | COSC | 2332 | Human Agile Robotics | 3 |
| TOTAL | | | 16 | | | | 16 |

YEAR 3

| Fall | | | | Spring | | | |
|------------------|------|--|----|-----------|-----------|--|----|
| Fine ARTS | | Concert Choir, MUSI1302 | 3 | COSC | 3321 | Computer Organization and Architecture | 3 |
| Behavior Science | | SOCI1301, CRIJ1301, PSYC1301, ECON2301 | 3 | Lan 2 | | Spanish/French/Chinese | 3 |
| COSC | 2329 | Robotics Mobility | 3 | ENGL | | Literature | 3 |
| Lang 1 | | Spanish/French/Chinese | 3 | PHIL/RELI | 2301/2302 | Religion or Philosophy | 3 |
| | | AA Diversity | 3 | COSC | 3332 | Human Robotics Interaction | 3 |
| TOTAL | | | 15 | TOTAL | | | 15 |

YEAR 4

| Fall | | | | Spring | | | |
|-------|-----------|---|----|--------|------|-------------------------------------|----|
| COSC | 3312 | Database and Infor Retrieval (Elective) | 3 | MATH | 3336 | Numerical Techniques for CSC Majors | 3 |
| COSC | 4330 | Robotics System Project | 3 | COSC | 4322 | Software Engineering II (Elective) | 3 |
| COSC | 4311 | Software Engineering I | 3 | COSC | 4308 | Computer Science Internship | 3 |
| MATH | 2306 | Discrete Math | 3 | | | General Diversity | 3 |
| PSCI | 1301/1302 | Government (Texas or US) | 3 | | | | |
| TOTA: | | | 15 | | | | 12 |