

## **Concentration in Robotics**

<b>Course Requirements</b>	<b>Total</b>	<b>credit hours</b>
COSC Introduction to Robotics		3
COSC 4366 Introduction to Graphics		3
COSC Fundamentals of Technical-Additive Graphics		3
COSC 2328 Robotic Motivation and Building		3
COSC 4311 Software Engineering I		3
COSC 2318 Linear Algebra		3
COSC 2329 Robotic Mobility/Autonomous/Agents/Robot Intelligence		3
COSC 2330 Human-Robotic Interaction		3
COSC 4327 Robotic Systems Project		3
<b>Total</b>		<b>24</b>

**SUGGESTED COURSE SEQUENCE FOR COMPUTER SCIENCE**  
**TOTAL SEMESTER HOURS REQUIRED TO GRADUATE = 120**

<b>YEAR 1</b>							
<b>Fall</b>				<b>Spring</b>			
UNIV	1101	Freshman Seminar I	1	ENGL	1302	College Rhetoric and Composition	3
ENGL	1301	Introduction to College Composition	3	MATH	1342	Statistics	3
COSC	1311	Foundations of Computer Science	3	COSC	1323	Programming Foundations II	3
COSC	1312	Programming Foundations I	3	COMM	1315	Public Speaking	3
KINE	1304/1338	Health and Wellness	3	PSCI	1301 or 1302	US or Texas Government	3
COSC	1300/1311	Introduction to Computers	3	KINE		Activity Course	1
				UNIV	1102	Freshman Seminar II	1
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>17</b>
<b>YEAR 2</b>							
<b>Fall</b>				<b>Spring</b>			
PHYS	2425	Physics I	4	PHYS	2426	Physics II	4
COSC	2311	Java I	3	COSC	2322	Java II	3
COSC	2313	Data Structures	3	COSC	2326	Enterprise Computing	3
MATH	2413	Calculus I *	4	MATH	2414	Calculus II	4
Math	2305	Discrete Math	3	Social Behavior		Introduction to Sociology	3
						Introduction to Psychology, Social Problems	3
<b>Total</b>			<b>17</b>	<b>Total</b>			<b>17</b>
<b>YEAR 3</b>							
<b>Fall</b>				<b>Spring</b>			
COSC	3312	Database & Info Retrieval	3	COSC	3321	Computer Organization	3
Language I		Foreign Language	3	COSC	3427	Computer Networks and Distributed Systems	4
PHIL	2301 or	Religion or Philosophy	3			(Study Abroad Option)	3
RELI	2302			ENGL	2331	World Literature	3
Fine Arts		Musicianship; Introduction to Arts, etc. (Study Abroad Option)	3				
BUSI	3113	Professional Develop	1				
<b>Total</b>			<b>13</b>	<b>Total</b>			<b>13</b>
<b>YEAR 4</b>							
<b>Fall</b>				<b>Spring</b>			
COSC	4311	Software Engineering, I	3	COSC	4223	Software Engineering II	3
COSC	4367	Special Topic	3	MATH	3336	Numerical Techniques	3
MATH	2318	Linear Algebra	3	Elective		Diversity (Study Abroad Option)	3
HIST	1301 or 1302	US History I or II	3				
COSC	4308	Computer Science Internship	3	Diversity		African American History	3
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>12</b>

\* Assuming student tests into MATH 2413 Calculus I