

Mechatronics Engineering 2-Year Transfer Pathway 2024-2025

This four-semester transfer pathway is for students who have completed all prerequisite courses including:

Engineering: Introduction to Engineering, Statics, Materials Sci Engineering, Engineering Graphics, Strength of Materials, Circuit Analysis,

Mathematics: Calculus 1, Calculus 2, Multivariate Calculus, Differential Equations and Linear Algebra

Physical Science: General Chemistry 1 with lab, Physics for Engineers 1 and 2

Computer Science: Programming 1, Data Structures

Fall Junior Courses (15)		Course or GE Title	Units	GE/Major
ENGR 330		Dynamics	3	Major
ENGR 340		Signals	3	Major
ENGR 370		Digital Logics	3	Major
Any GE area not completed previous		Any GE not done previously	3	missing GE
Language other than English		Any language other than English	3	C2
Spring Junior Courses (13)		Course or GE Title	Units	GE/Major
ENGR 301		Technical Writing in Engineering	3	GWAR
ENGR 310		Mechatronics	4	Major
ENGR 320		Machine Design	3	UDB
ENGR 375		Feedback Control Systems	3	Major
Fall Senior courses (15-16)		Course or GE Title	Units	GE/major
ENGR 380		Embedded Systems	3	Major
ENGR 480		Mechatronics Design 1	3	Major
ENGR Elective		Engineering Elective 1	3	Major
Upper-division service learning		Any UDD	3-4	UDSL
Any UDD course		Any upper-division GE area D course	3	UDD
Spring Senior Courses (16)		Course or GE Title	Units	GE/Major
ENGR 481		Mechatronics	3	Capstone
ENGR 394		Engineering Internship	1	Major
UDC		Any UDC	3	UDC
Any US1		US history	3	US 1
Any U2&3		Civics	3	US23
Elective		elective	3	elective
Total Mechatronics Transfer path			60	