## MECHATRONICS CONCENTRATION

ME 305 Introduction to Mechatronics 4  ME 326 Intermediate Dynamics 4  ME 405 Mechatronics 4  ME 419 Advanced Control Systems 4  ME 428 Senior Design Project I 1 2  ME 429 Senior Design Project II 1 2  ME 430 Senior Design Project III 1 2  Select from the following: 2,3 3-4  IME 356 Manufacturing Automation  IME 416 Automation of Industrial Systems  ME 423 Robotics: Fundamentals and Applications  ME 506 System Dynamics  ME 507 Mechanical Control System Design	Total units		25-26
ME 326 Intermediate Dynamics 4 ME 405 Mechatronics 4 ME 419 Advanced Control Systems 4 ME 428 Senior Design Project I 1 2 ME 429 Senior Design Project II 1 2 ME 430 Senior Design Project III 1 2 Select from the following: 2,3 3-4 IME 356 Manufacturing Automation IME 416 Automation of Industrial Systems ME 423 Robotics: Fundamentals and Applications	ME 507	Mechanical Control System Design	
ME 326 Intermediate Dynamics 4 ME 405 Mechatronics 4 ME 419 Advanced Control Systems 4 ME 428 Senior Design Project I 1 2 ME 429 Senior Design Project II 1 2 ME 430 Senior Design Project III 1 2 Select from the following: 2,3 3-4 IME 356 Manufacturing Automation IME 416 Automation of Industrial Systems ME 423 Robotics: Fundamentals and	ME 506	System Dynamics	
ME 326 Intermediate Dynamics 4 ME 405 Mechatronics 4 ME 419 Advanced Control Systems 4 ME 428 Senior Design Project I 1 2 ME 429 Senior Design Project II 1 2 ME 430 Senior Design Project III 1 2 Select from the following: 2,3 3-4 IME 356 Manufacturing Automation	ME 423		
ME 326 Intermediate Dynamics 4 ME 405 Mechatronics 4 ME 419 Advanced Control Systems 4 ME 428 Senior Design Project I 1 2 ME 429 Senior Design Project II 1 2 ME 430 Senior Design Project III 1 2 Select from the following: 2,3 3-4	IME 416	Automation of Industrial Systems	
ME 326 Intermediate Dynamics 4 ME 405 Mechatronics 4 ME 419 Advanced Control Systems 4 ME 428 Senior Design Project I 1 2 ME 429 Senior Design Project II 1 2 ME 430 Senior Design Project III 1 2	IME 356	Manufacturing Automation	
ME 326 Intermediate Dynamics 4 ME 405 Mechatronics 4 ME 419 Advanced Control Systems 4 ME 428 Senior Design Project I 1 2 ME 429 Senior Design Project II 1 2 ME 430 Senior Design Project III 1 2	Select from the fol	lowing: <sup>2,3</sup>	3-4
ME 326 Intermediate Dynamics 4 ME 405 Mechatronics 4 ME 419 Advanced Control Systems 4 ME 428 Senior Design Project I 1 2 ME 429 Senior Design Project II 1 2			2
ME 326Intermediate Dynamics4ME 405Mechatronics4ME 419Advanced Control Systems4	ME 429	<b>3</b> ,	2
ME 326 Intermediate Dynamics 4 ME 405 Mechatronics 4	ME 428	Senior Design Project I <sup>1</sup>	2
ME 326 Intermediate Dynamics 4	ME 419	Advanced Control Systems	4
	ME 405	Mechatronics	4
ME 305 Introduction to Mechatronics 4	ME 326	Intermediate Dynamics	4
	ME 305	Introduction to Mechatronics	4

<sup>&</sup>lt;sup>1</sup> ENGR 459, ENGR 460 and ENGR 461 (6) or ENGR 463, ENGR 464, and ENGR 465 (6) may substitute for ME 428, ME 429 and ME 430 (6).

<sup>&</sup>lt;sup>2</sup> Elective based on interests of students.

ME 400 and ME 500 are independent study classes and may be acceptable for technical elective credit. A course substitution form is required.