

1st Academic Year

	Semester 1	Credits	Semester 2	Credits
Required courses	Thesis	6/0	Thesis	6/0
	Special Topic (1)	1/2	Special Topic (2)	1/2
	Seminar and Discussion (1)	1/2	Seminar and Discussion (2)	1/2
Elective courses (General Courses)	Digital Signal Processing and Electric Machine Control	3/3	Artificial Neural Networks	3/3
	Special Topic of project Management	3/3	Optical System Design	3/3
	English Thesis Writing (1)	3/3	English Thesis Writing (2)	3/3
	Technical Presentation in English (1)	3/3	Technical Presentation in English (2)	3/3
Elective courses (Courses of Design and Manufacturing)	Experimental Design and Quality Engineering	3/3	Introduction to Simulation of Optics and Optical System	3/3
	Special Topics to Nano and Micro Manufacturing Technology	3/3	Design and applications of LED Lighting	3/3
			Vehicle Dynamics System	3/3
Elective courses (Courses of Automation)	Sensor Principle and Practice	3/3	Advanced Motion Control	3/3
			Computer Vision	3/3
			Theory and Application of Artificial Neural Networks	3/3

2nd Academic Year

	Semester 1	Credits	Semester 2	Credits
Required courses	Thesis	6/0	Thesis	6/0
	Special Topic (3)	1/2	Special Topic (4)	1/2
	Seminar and Discussion (3)	1/2	Seminar and Discussion (4)	1/2
Elective courses (General Courses)	Digital Signal Processing and Electric Machine Control	3/3	Artificial Neural Networks	3/3
	Special Topic of project Management	3/3	Optical System Design	3/3
	English Thesis Writing (1)	3/3	English Thesis Writing (2)	3/3
	Technical Presentation in English (1)	3/3	Technical Presentation in English (2)	3/3
Elective courses (Courses of Design and Manufacturing)	Experimental Design and Quality Engineering	3/3	Introduction to Simulation of Optics and Optical System	3/3
	Special Topics to Nano and Micro Manufacturing Technology	3/3	Design and applications of LED Lighting	3/3
			Vehicle Dynamics System	3/3
Elective courses (Courses of Automation)	Sensor Principle and Practice	3/3	Advanced Motion Control	3/3
			Computer Vision	3/3
			Theory and Application of Artificial Neural Networks	3/3

3rd Academics Year

	Semester 1	Credits	Semester 2	Credits
Required courses	Thesis	6/0	Thesis	6/0
	Special Topic (1)	1/2	Special Topic (2)	1/2
	Special Topic (3)	1/2	Special Topic (4)	1/2
	Seminar and Discussion (1)	1/2	Seminar and Discussion (2)	1/2
	Seminar and Discussion (3)	1/2	Seminar and Discussion (4)	1/2
Elective courses (General Courses)	Digital Signal Processing and Electric Machine Control	3/3	Artificial Neural Networks	3/3
	Special Topic of project Management	3/3	Optical System Design	3/3
	English Thesis Writing (1)	3/3	English Thesis Writing (2)	3/3
	Technical Presentation in English (1)	3/3	Technical Presentation in English (2)	3/3
Elective courses (Courses of Design and Manufacturing)	Experimental Design and Quality Engineering	3/3	Introduction to Simulation of Optics and Optical System	3/3
	Special Topics to Nano and Micro Manufacturing Technology	3/3	Design and applications of LED Lighting	3/3
			Vehicle Dynamics System	3/3
Elective courses (Courses of Automation)	Sensor Principle and Practice	3/3	Advanced Motion Control	3/3
			Computer Vision	3/3
			Theory and Application of Artificial Neural Networks	3/3