

Table of Curriculum

Classification	Course No.	Computer Code	Course Name	Lecture; Lab.; Credit (Assignment)	Semester	Note
Mandatory Major	MO500	G3.500	Introduction to Mobility Systems	3:0:3	Fall	
	MO501	G3.501	Modeling and Control of Electric Propulsion Systems	3:3:4	Fall	◎
	MO502	G3.502	Intelligent Transportation System	3:3:4	Fall	◎
	MO505	G3.505	Computational Analysis and Design for Electric Vehicle	3:3:4	Spring	◎
	MO506	G3.506	Fundamentals of Vehicular Electric Systems	3:0:3	Fall	◎
	MO507	G3.507	Transportation Infrastructure systems	3:0:3	Spring	◎
	MO508	G3.508	Navigation and Sensing Systems	3:0:3	Fall	◎
Elective	MO510	G3.510	Public Transportation Systems	3:0:3	Spring	◎
	MO520	G3.520	Electric Powertrain Engineering	3:0:3	Fall	
	MO531	G3.531	Battery System Modeling and Control	3:0:3	Fall	
	MO540	G3.540	Railway System Engineering	3:0:3	Spring or Fall	
	MO550	G3.550	Introduction to Autonomous Vehicles	3:0:3	Spring	◎
	MO560	G3.560	The Principles and Applications of the Kalman Filter	3:0:3	Spring	◎
	MO610	G3.610	Traffic Safety	3:0:3	Spring	
	MO611	G3.611	Introduction to Transportation Economics	3:0:3	Spring	
	MO642	G3.642	Wireless Power Transfer System	3:0:3	Spring	
	MO643	G3.643	Wireless Link Analysis	3:0:3	Fall	
	MO814	G3.814	Special Topics on Intelligent Transportation Systems	3:0:3	Spring or Fall	
	MO829	G3.829	Special Topics in Logistics	3:0:3	Spring or Fall	
	MO833	G3.833	Special Topics on Electric Propulsion Systems	3:0:3	Spring or Fall	
	MO843	G3.843	Special Topics on Railway Vehicle Technology	3:0:3	Spring or Fall	
	MO859	G3.859	Special Topics in Ocean Transportation	3:0:3	Spring or Fall	
MO869	G3.869	Special Topics on Unmanned Autonomous Systems	3:0:3	Spring or Fall		
Research	MO495	G3.495	Individual Research	0:6:1	Spring and Summer and Fall and Winter	
	MO960	G3.960	MS Thesis	0:0:0	Spring and Fall	
	MO966	G3.966	Seminar(MS)	1:0:1	Spring and Fall	
	MO980	G3.980	Ph.D Thesis	0:0:0	Spring and Fall	
	MO986	G3.986	Seminar(Ph.D)	1:0:1	Spring and Fall	

※ Course classification, course title, and mutual recognition of credits may differ according to the effective year of the requirements.

◎ Course mutually recognized by undergraduate and graduate programs.