

## Curriculum

### ☐ Graduate Course

Classification	Subject No.	Subject Name	Lecture:Lab.: Credit (Homework)	Semester	Remark
Mandatory General	CC010	Special Lecture on Leadership	1:0:0	Fall	
	CC020	Ethics and Safety I	1AU	Spring . Fall	
	CC500	Scientific Writing	3:0:3(4)	Spring . Fall	
	CC510	Introduction to Computer Application	2:3:3(10)	Spring . Fall	
	CC511	Probability and Statistics	2:3:3(6)	Spring . Fall	
	CC512	Introduction to Materials and Engineering	3:0:3(3)	Spring . Fall	
	CC513	Engineering Economy and Cost Analysis	3:0:3(6)	Fall	
	CC522	Introduction to Instruments	2:3:3(8)	Fall	
	CC530	Enterpreneurship and Business Strategies	3:0:3(6)	Fall	
	CC531	Patent Analysis and Invention Disclosure	3:0:3(6)	Spring . Fall	
	CC532	Collaborative System Design and Engineering	4:0:4(8)	Spring	
Mandatory Major	GT500	Introduction to Green Transportation Systems	3:0:3	Spring	
	GT501	Electric Propulsion System Engineering	3:3:4	Spring	
	GT502	Transportation System Analysis and Design	3:3:4	Fall	
	GT505	Structural Design and Analysis for Transportation Systems	3:3:4	Fall	
	GT506	Traffic Signal and Control Systems	3:0:3	Spring	
	GT507	Transportation Infrastructure Systems	3:0:3	Fall	
	GT508	Next Generation Satellite Navigation Systems	3:0:3	Spring	
Elective	GT520	Electric Powertrain Engineering	3:0:3	Fall	
	GT602	Surface Transportation Vehicle System Design Project	3:0:3	Spring	*
	GT603	Maritime Cargo Transfer System Design Project	3:0:3	Fall	*
	GT610	Intelligent Traffic Control and Simulation	3:0:3	Spring	*
	GT611	Introduction to Transportation Economics	3:0:3	Fall	*
	GT620	Introduction to Logistics Planning and Management	3:0:3	Spring	*
	GT621	System Engineering on Green Logistics	0:9:3	Fall	*
	GT631	Dynamics and NVH Engineering on Next Generation Surface Transportation Vehicle	0:9:3	Fall	*
	GT640	Green Railway System Engineering	3:0:3	Spring	*
	GT641	Dynamics and NVH Engineering on Green Railway Vehicle	3:0:3	Fall	*
	GT650	Introduction to Green Ship Technology	3:0:3	Spring	*
GT651	Green Ship Propulsion System	3:0:3	Fall	*	
GT660	Green Air Transportation System and Green Aviation	3:0:3	Spring	*	

Classification	Subject No.	Subject Name	Lecture:Lab.: Credit (Homework)	Semester	Remark
	GT661	Electronic Navigation Systems	3:0:3	Fall	*
	GT701	Safety standards and certification system of the future transport system	3:0:3	Fall	*
	GT702	Management of Green Transportation Systems	3:0:3	Spring	*
	GT712	Traffic communication system	3:0:3	Spring	*
Elective	GT722	Automation on Green Logistics System	3:0:3	Spring	*
	GT732	Development and Mass-Production of Next Generation Surface Transportation	3:0:3	Spring	*
	GT742	Green Railway Transit Technology and Infrastructure	3:0:3	Spring	*
	GT814	Special Topics in Operation & Management for Green Transportation	3:0:3	Spring . Fall	
	GT829	Special Topics in Green Logistics	3:0:3	Spring . Fall	
	GT833	Special Topics on Next Generation Surface Vehicle Technology	3:0:3	Spring . Fall	
	GT843	Special Topics on Green Railway Vehicle Technology	3:0:3	Spring . Fall	
	GT859	Special Topics in Green Ocean Transportation	3:0:3	Spring . Fall	
	GT869	Special Topics on Next Generation Aviation Transportation System	3:0:3	Spring . Fall	
Research	GT960	Thesis (Master Student)		Spring . Fall	
	GT966	Seminar (Master Student)	1:0:1	Spring . Fall	
	GT980	Thesis (Ph.D. Student)		Spring . Fall	
	GT986	Seminar (Ph.D. Student)	1:0:1	Spring . Fall	

Notes) “\*” mark represents courses which are scheduled to open.