

Refer to the following list of pre-approved electives while planning your coursework. Some courses are offered outside of SGSUP and therefore are subject to change. View the [Schedule of Classes](#) for the most current course offerings.

A maximum of 6.0 credits of 400-level elective coursework may be included on the plan of study.

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Fulfills Methods Requirement</b>
AMT 408	National Aviation Policy	3	
AMT 410	Aviation Safety and Human Factor	3	
AMT 444	Airport Management and Planning	3	
AMT 489	Airline Administration	3	
AMT 522	Aviation Law/Regulations	3	
AMT 523	Intermodal Transportation Management	3	
AMT 524	Airport Management and Operations	3	
AMT 525	Airport Planning and Design	3	
AMT 527	Airline Management Strategies	3	
AMT 528	International Aviation	3	
CEE 412/511	Pavement Analysis and Design	3	
CEE 474/598	Transportation Systems Planning	3	Yes
CEE 475/576	Highway Geometric Design	3	Yes
CEE 494/598	Airport Pavement Design	3	
CEE 507	Urban Infrastructure Anatomy & Sustainable Development	3	Yes
CEE 573	Transportation Operations	3	Yes
CEE 574	Highway Capacity	3	
CEE 598	Travel Behavior Analysis	3	Yes
CEE 598	Transportation Safety Analysis	3	Yes
CEE 598	Sustainable Civil & Environmental Systems Engineering	3	Yes
CEE 598	Transportation Survey Methods & Data Analysis	3	Yes
GCU 542	Geographical Analysis of Transportation	3	Yes
GIS 462/GIS 598	Location Analysis and Modeling	3	
GIS 471	Geographic Information Analysis	3	
GIS 501	GeoDesign in Practice	3	Yes
GIS 521	Geographic Information Science Programming	3	Yes
GIS 561	Optimization Fundamentals for Spatial Analysis	3	Yes
IEE 521	Urban Operations Research	3	Yes
IEE 534	Supply Chain Modeling and Analysis	3	Yes
IEE 535	Intro International Logistics Systems	3	

IEE 598	Network Flows	3	Yes
IEE 620	Optimization I	3	Yes
PAF 505	Public Policy Analysis	3	
PAF 506	Public Budget & Finance	3	
PAF 570	Urban Economics and Public Finance	3	
PAF 591	Economic Development	3	
PAF 591	Advanced Government Financial Management	3	
PUP 410	Public Participation in Planning	3	
PUP 434	Economic Development Planning	3	
PUP 544	Urban Land Use Planning	3	
PUP 550	Transportation Planning Environment	3	
PUP 551	Sustainable Transportation Planning	3	
PUP 553	Urban Infrastructure Anatomy & Sustainable Development	3	
PUP 576	GIS Workshop for Planners	3	Yes
PUP 581	Optimization Fundamentals for Spatial Analysis	3	Yes
PUP 582	Location Analysis and Modeling	3	Yes
PUP 598	Transportation System Planning	3	
PUP 598	Public Participation Planning	3	
PUP 598	Grant Writing	1	
PUP 598 (578)	Spatial Analysis	2	Yes (2 credits; 3 methods credits required)
SCM 541	Logistics in the Supply Chain	3	