CE TRA PROGRAM OF WORK ADVISING (2018-2019 Catalog)

		(Fill this form o	ut and up	date each	semes	ter before enrolli	ng in course wor	k.)			
Student Name:	-	Last	First	rst Middle				Date:			
Address:		Last	1 11 51		Midule		II	D.Number:			
								z.ivaiiibci.			
Degree Held and Fig	elds:										
Degree Sought:	ME - Nor	n-Thesis 🗆 MS	S - Thesis			Major:Tra	nsportation Engine	eering (T	RA)		
		T					1				
Subject Prefix	Course Number	Re	quired Trans	sportation Co	ore Cours	<u>es</u>	Check if applying to degree.	Semes	ter Year 20	Grade	е
TTCHX	Number			3 Course	s Require	d (9 Hours)	to degree.		20	·	
CE	5330	Characteristics of Traffic	:			. (F Su	Sp		
CE	5332	Highway Design					F Su				
CE	5337	Urban Transportation P						F Su	Sp		
IE	5318			d (Either IE 5	318 or E0	CON 5336 but not both	i) (3 hours)	F Su	Cn		
ECON	5336	Applied Regression Analysis Applied Business and Economics Data Analysis I					F Su		+		
CE	5698		Thesis (Only MS Students) F Su				•	+			
		PA of 3.0 or higher in thei		s If final cor	a coursa (2DA is holow a 3 A str	Idant must nass a com		-	r the Core	Course
A minimum of Twelve semester hours may approval of the stude Transportation faculty Thesis: Once the st finishes the thesis requ	e (12) semest be from the C ent's supervisi /. tudent is enrol uirements and	ective Courses is required are required. Course select the required are required. Course select the required are required are required are required are required as a selective country of the required are required as a selective country of the required are required as a selective country of the required are required as a selective country of the required are required as a selective country of the required are required as a selective country of the required are required as a selective country of the required are required as a selective country of the required are required as a selective country of the required are required as a selective country of the required are required.	ion must resu Masters of rses are requ upportive Ar re Areas: Co t is required	ult in a cohes f Science Dec uired. At leas reas. Course ourses in City in the thesis	gree (MS) gree (MS) st six (6) st e selection and Region course(s).	m that supports the ma Elective Course Optic emester hours must be must result in a cohes and Planning, Mathema The student must be	jor area degree plan. ons from CE Transportat ive program that supportion and additional are enrolled in six (6) hou	ion Elections the the as may be urs of thesi	ive Classes. esis and must approved by s during the s	Up to Six t receive th petition to semester th	t (6) he o
				<u>Ele</u>	ective Cou	<u>ırses</u>					
CE Transportation	Elective Co			ester Yea	r Grade	Other Electi		Check if	Semester		Grad
CF 5331 Traffic End	aineerina One	applying to degree	F Su S	20	_	CE 5328 Air Pollution	applying to	degree	F Su Sp	20	+
CE 5331 Traffic Engineering Operations CE 5333 Traffic Control Systems		duons	F Su S			CE 5346 Open Char			F Su Sp		_
CE 5334 Intro.to Railroad Engineering		ering		F Su Sp		CE 5347 Advanced Hydrology			F Su Sp		
CE 5335 Airport Engineering		_	F Su Sp			CE 5364 Foundation Analysis and Design			F Su Sp		
CE 5336 Pavement Design			F Su S	Su Sp CE 5367 Design of E		arth Structures		F Su Sp			
CE 5338 System Evaluation			F Su S	•			GIS and Hydrologic and	t	F Su Sp		
CE 5341 Pavemen		*	F Su S			Hydraulic N					_
CE 5361 Design & Construct. of Asphalt Concrete CE 5362 Rigid Pavements		Asphalt Concrete	_			ECON 5336 Applied	Business and nics Data Analysis I		F Su Sp		
		and Operations		•		ECON 5339 Applied	-		F Cu Cn		+
CE 6306 Public Transit Planning and Operations CE 6308 Analytical Models in Transportation			F Su S			Economics Data Ana	llysis I Econometrics II		F Su Sp		+
CE 6309 Traffic Flow Theory			F Su S	•							+
OL 0307 Hallic Flo	Willicory	<u> </u>		•	uiring Aca	demic Advisor Appro	val	<u> </u>			
CE 5191 Advanced	d Studies in C	ivil Engineering	F Su S		l l l l l l l l l l l l l l l l l l l	l l l l l l l l l l l l l l l l l l l	vui				
Admission Requirer	ments	<u>.</u>	•		•						
Deficiency Courses											
Examination Require											
-											
Language Requirem											
List any other Requi by the Committee	irements(s)										
			APPRO	OVALS AND	DATES	(Signatures Required)				-	
Stude	nt:						Date				
Academic Advis	Date										

Date

Graduate Advisor/Chair:

2018-2019 CE TRA Course and Prerequisite List

COURSE	DDEDECHISITE:					
	PREREQUISITE:					
	COURSES					
CE 5330 CHARACTERISTICS OF TRAFFIC	CE 3302; and CE 3301 or concurrent registration therein.					
CE 5332 HIGHWAY DESIGN	CE 3302 - Credit will not be granted for both CE 4312 and CE 5332.					
CE 5337 URBAN TRANSPORTATION PLANNING	CE 3301 and CE 3302; or consent of instructor - Credit not granted for both CE 4311 and CE 5337.					
Select either IE 5318 or ECON	5336 as one (1) Required Core Course but not both.					
IE 5318 APPLIED REGRESSION ANALYSIS	IE 5317 or equivalent					
ECON 5336 APPLIED BUSINESS AND ECONOMICS DATA ANALYSIS I	Graduate standing.					
CE TRANSPORTATION COURSES						
CE 5331 TRAFFIC ENGINEERING OPERATIONS	CE 3302 and CE 3301 or concurrent registration therein - Credit not be granted for both CE 4313 and CE 5331.					
CE 5333 TRAFFIC CONTROL SYSTEMS	CE 4313 or CE 5331 or Equivalent or consent of Instructor.					
CE 5334 INTRODUCTION TO RAILROAD ENGINEERING	CE 3302 - Credit not granted for CE 4314 and CE 5334.					
CE 5335 AIRPORT ENGINEERING	CE 3302.					
CE 5336 PAVEMENT DESIGN	CE 3302, CE 3261, and CE 3343.					
CE 5338 SYSTEM EVALUATION	IE 2308 and CE 3301 or IE 3301 or consent of instructor.					
CE 5341 PAVEMENT EVALUATION, REHABILITATION AND MANAGEMENT SYSTEMS	CE 5336 or equivalent.					
CE 5361 DESIGN & CONSTRUCTION OF ASPHALT CONCRETE	CE 3261 or equivalent - Credit not granted for both CE 4336 and CE 5361.					
CE 5362 RIGID PAVEMENTS	CE 3261 or equivalent - Credit not granted for both CE 4337 and CE 5362.					
CE 6306 PUBLIC TRANSIT PLANNING AND OPERATION	CE 4311 or CE 5337 or equivalent.					
CE 6308 ANALYTICAL MODELS IN TRANSPORTATION	CE 4311 or CE 5337.					
CE 6309TRAFFIC FLOW THEORY	CE 5330 or equivalent					
OTHER ELECTIVES						
CE 5328 AIR POLLUTION	Concurrent enrollment in CE 3334 or CE 5321 or consent of instructor - Credit not granted for both CE 4350 and CE 5328.					
CE 5346 OPEN CHANNEL FLOW	CE 3305 and CE 4328; or consent of instructor - Credit not granted for both CE 4358 and CE 5346.					
CE 5347 ADVANCED HYDROLOGY	CE 3342 and CE 4328 or equivalent.					
CE 5364 FOUNDATION ANALYSIS AND DESIGN	CE 3343 - Credit not granted for both CE 4321 and CE 5364.					
CE 5367 DESIGN OF EARTH STRUCTURES	CE 3343 or consent of instructor - Credit not granted for both CE 4320 and CE 5367.					
CE 5349 ADVANCED GIS AND HYDROLOGIC AND HYDRAULIC MODELING						
ECON 5336 APPLIED BUSINESS AND ECONOMICS DATA ANALYSIS I	Graduate standing.					
ECON 5339 APPLIED BUSINESS AND ECONOMICS DATA ANALYSIS II	ECON 5336.					
IE 5318 APPLIED REGRESSION ANALYSIS	IE 5317or equivalent.					
Elective Courses Requiring Academic Advisor Approval.						
CE 5191 ADVANCED STUDIES IN CIVIL ENGINEERING	Consent of instructor.					
CE 5391 ADVANCED STUDIES IN CIVIL ENGINEERING	Consent of instructor.					
CE 5395 MASTER'S PROJECT	Non-thesis. Consent of instructor and approval of Supervising Committee Chair.					
CE 5695 MASTER'S PROJECT	Non-thesis. Consent of instructor and approval of Supervising Committee Chair.					
CE 5398 THESIS	Approval of Supervising Committee and Chair.					
CE 5698 THESIS	Approval of Supervising Committee and Chair.					
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