Name: Student #:				_	N	<i>Civil d</i> Ion-Thesis Structur	& Environ Master's F ral Enginee	<i>mental En</i> Program Pl ering and N	gineering an (2016) Iechanics
Qtr/Year Adm	nitted:			_ r	Тс	o do:			
Faculty Advis	sor:					Meet with you	r faculty advisor	and have your p	rogram plan
		Signature	Date			approved. Turn in your ap	proved Program	Plan to the Grad	duate Advising
	Student:					Office, 201 Mo Update your Pr	re Hall, by the er ogram Plan as no	nd of your 1st qu eeded, obtaining	arter. g approval by
Faculty A	Advisor:					your faculty ad	visor and turn it	into the Advising	g Office.
	C	ourse Plan					Audit		
F	ill in the sourses to	section below wi meet degree req	th planned uirements.			Check the degree	e column be requirement	low indicati the course	ng which fulfills.
	1								
Course #	C	ourse Title	Qtr/Year (e.g. Aut16)	CR		Required structures courses	12 credits 500-level structures courses	15 credits approved electives	Seminar (3 CR total)
			Total CR						
			Required	42		12 CR	12 CR	15 CR	3 CR

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Dearee	Reauirements	

Credit Re 39	quirements:) credits of course work credits of CEE 500 Structures Seminar
42	Credits Total
Required	Coursework:
	CEE 501 Structural Mechanics, 6 CR (AUT)
	CEE 502 Structural Dynamics, 3 CR (WIN)
Or	ne of the following (both are strongly recommended) - if both are taken, 1 can count toward 12 credits of SEM Electives):
	CEE 504 Finite Element Methods in Structural Mechanics, 3 CR (SPR)
	CEE 599 Advanced Structures I, 3 CR (WIN) (Note: The CEE 457 section of this class does not count)
	12 credits of 500-level structures courses from the list of Structural Engineering and Mechanics (SEM) Electives (page 3
	3 credits of CEE 500 Structures Seminar
	• Autumn: Student presentations
	Winter: Seminars on professional practice
	• Spring: Research seminars and discussion
	1 credit of CEE 500 Department Seminar may substitute for 1 credit of CEE 500 Structures Seminar
	15 credits of additional coursework to be fulfilled as follows:
	 Any 500-level structural engineering and mechanics (SEM) course
	• Any courses from CEE Electives list on page 3
	• Any AA, ME, MSE, AMATH courses listed on pages 3 - 4
	• One ARCH or CM course listed on page 4 (more than one is allowed only with prior approval by faculty advisor and the SEM graduate advisor)
Additiona	al Requirements:
	Minimum 3 credits outside structures (can be CEE)
	All CEE courses (except seminars) taken for a numeric grade (others may be S/NS)
	Maximum 3 credits of CEE 600
	Maximum 6 credits of <i>approved</i> transfer credits
	3.0 minimum cumulative GPA in all structures courses
	3.0 minimum cumulative GPA
	2.7 minimum grade for a class to count
	499 credits do not count toward a graduate degree
	Classes 300-level or below do not count toward a graduate degree
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ELECTIVES

The following course offerings are subject to change. For CEE course offerings, please refer to the CEE Projected Course Offerings 2015-2016, and the Preliminary Time Schedule which can be found on the CEE Department website at: http://www.ce.washington.edu/students/timeschedule.html. Refer to the UW Time Schedule when it becomes available for up-to-date information.

For courses outside the CEE Department, refer to the UW Time Schedule or the offering department for course offering details.

500-level Structural Engineering and Mechanics (SEM)

CEE 503 Materials Modeling, 3 CR (SU

- CEE 505 Engineering Computing, 3 CR (AUT)
- CEE 506 Nonlinear Analysis of Structural Sys, 3 CR (SPR)
- CEE 507 Structural Stability, 3 CR (WIN)
- CEE 511 Advanced Reinforced Concrete, 3 CR (AUT)
- CEE 512 Advanced Structural Systems, 3 CR (SPR)
- CEE 513 Advanced Steel I, 3 CR (WIN)
- CEE 515 Earthquake Engineering I, 3 CR (SPR)

- CEE 516 Earthquake Engineering II, 3 CR (AUT)
- CEE 517 Wind Engineering Design, 3 CR (SUM)
- CEE 518 Reliability and Design, 3 CR (AUT)
- CEE 599 Advanced Steel II , 3 CR (SUM)
- CEE 599 Prestressed Concrete Design, 3 CR (WIN)
- CEE 599 Advanced Structures I, 3 CR (WIN)
 CEE 599 Math Foundation of Continuum Mech, 3 CR (not offered 2016-2017)

To meet the requirement of 15 credits of additional coursework, students may take courses from the SEM list above, or from the following list of *approved electives* (including CEE, AA, ME, MSE and AMATH).

CEE	E	lect	iv	es
	-	CC		C 3

- CEE 404 Infrastructure Const, 3 CR (WIN)
- CEE 599 Geotechnical Earthquake Eng, 4 CR (SPR)
- CEE 588 Energy and the Environment, 3 CR (AUT)

College of Engineering Electives

- AA 532 Mechanics of Composite Materials, 3CR
- AA 538 Intro to Structural Optimization, 3 CR
- AA 543 Computational Fluid Dynamics, 3 CR
- ME 415 Sustainability and Design for the Environ, 3 CR
- ME 515 Life Cycle Assessment, 3 CR
- ME 541 Fatigue of Materials, 3 CR
- ME 551, 552 Elasticity I, II, 3 CR

- ME 556 Experimental Stress Analysis I, 3 CR
- ME 557 Experimental Stress Analysis II, 3 CR
- ME 559 Introduction to Fracture Mechanics, 3 CR
- ME 564, 565 Mechanical Eng Analysis I, II, 3CR
- MSE 431 Failure Anal and Durability of Matls, 3 CR
- MSE 462 Mechanical Behavior of Materials II, 4 CR
- MSE 475 Introduction to Composite Materials, 4CR

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ELECTIVES (continued)

College of Arts and Sciences Electives

1ATH 503 Methods for Partial Diff Equations, 5 CR 1ATH 506 Applied Probability Statistics, 4 CR 1ATH 515 Fundamentals of Optimization, 5 CR 1ATH 516 Numerical Optimization, 3 CR 1ATH 567 Applied Complex Analysis, 5 CR 1ATH 568, Adv. Methods for Ordinary Diff. Equations, 5 CR	 AMATH 569 Adv. Methods for Partial Diff .Equations, 5 CF AMATH 572 Intro to Applied Stochastic Analysis, 5 CR AMATH 581, 582, 583 Sci Computing, 5 CR AMATH 584 Introductory Numerical Analysis, 5 CR AMATH 585 Numeric Analysis of Boundary Value, 5 CR AMATH 586 Num Analysis of Time Depend Prob, 5 CR
et the requirement of 15 credits of additional co . More than one course is allowed <u>only with prin</u> <u>ate advisor.</u> College of the Built B	ursework, students may take one elective from the or approval by their faculty advisor and the SEM Environment Electives
CH 521 Structural Planning and Design, 3 CR CH 537 Traditional Bldg Methods: New Adapt, 3 CR CH 538 Building Reuse Seminar, 3 CR CH 578 Case Studies in Contemporary Arch 3 CR 1 404 (ARCH 404) Integrated Des/Bld Studio, 6 CR 1 450 Construction Project Management, 3 CR 1 500 (ARCH 574) Design and Construction Law, 3 CR	 CM 505 Advanced Integrated Computer Applications, 3 CR CM 510 Advanced Construction Technique, 3 CR CM 515 Innovative Project Mang Concepts, 3 CR CM 530 Project Economics and Risk Analysis, 3 CR CM 540 Sustainable Construction, 3 CR CM 560 Design-Building Project Management, 3 CR CM 580 Temporary Structures, 3 CR
Graduation (view Graduate School Dates and Deadlines: http://grad.uw. bmit the online Master's Degree Request at: http://www.gr date your Program Plan if needed and submit to the Graduat bmit signed Master's Degree Warrant to Graduate Advising or to leaving the department, submit online CEE Final Check p://www.ce.washington.edu/students/masters.html ow 3-4 months for your diploma to arrive. Update your mail	Quarter Checklist edu/for-students-and-post-docs/dates-and-deadlines/ ad.washington.edu/mygrad/student.htm by posted deadline. Ite Advising Office. Office by Wednesday the last day of the quarter. out form and CEE Exit Survey: ing address in MyUW if necessary.
	ATH 503 Methods for Partial Diff Equations, 5 CR ATH 506 Applied Probability Statistics, 4 CR ATH 515 Fundamentals of Optimization, 5 CR ATH 516 Numerical Optimization, 3 CR ATH 567 Applied Complex Analysis, 5 CR ATH 568, Adv. Methods for Ordinary Diff. Equations, 5 CR et the requirement of 15 credits of additional co More than one course is allowed <u>only with priv- te advisor.</u> College of the Built F CH 521 Structural Planning and Design, 3 CR CH 537 Traditional Bldg Methods: New Adapt, 3 CR CH 538 Building Reuse Seminar, 3 CR CH 578 Case Studies in Contemporary Arch 3 CR 404 (ARCH 404) Integrated Des/Bld Studio, 6 CR 450 Construction Project Management, 3 CR 500 (ARCH 574) Design and Construction Law, 3 CR fiew Graduate School Dates and Deadlines: http://grad.uw. omit the online Master's Degree Request at: http://grad.uw. prive to leaving the department, <i>submit online CEE Final Check</i> p://www.ce.washington.edu/students/masters.html ow 3-4 months for your diploma to arrive. Update your mail