



UNIVERSITY OF WASHINGTON
Department of Civil and Environmental Engineering

**Structural Engineering and Mechanics
Master's Degree Requirements**

Required Courses	CEE 500 (A, W. Sp)
	CEE 501 (A)
	CEE 502 (W)
	4 Additional Structures 500-level courses
Restrictions	Up to two of the following courses can be counted toward the Master's degree: CEE 431, CEE 453, CEE 457 and CEE 458. Only with advisor's approval, 400 and 500-level courses outside of structures' area (CEE and non-CEE) count toward master's degree.
Other Requirements	Civil and Environmental Engineering Department & The Graduate School, University of Washington.

A research thesis is required for all students receiving GSA appointments or Valle fellowships.

Questions?

Contact Faculty Advisor, or Lorna Latal (llatal@u.washington.edu)

2007-2008 Tentative Course Offerings
Structural Engineering and Mechanics

	<i>Course Title</i>	<i>Designation</i>	<i>Credits</i>
Autumn Quarter	Design of Metal Structures	CEE 451	3
	Design of Reinforced Concrete Structures	CEE 452	3
	Advanced Structures I	CEE 457	3
	Seminar – Reed	CEE 500	1
	Structural Mechanics I	CEE 501	6
	Advanced Reinforced Concrete Design	CEE 511	3
	Advanced Structural Systems	CEE 512	3
Winter Quarter	Design of Reinforced Concrete Structures	CEE 452	3
	Prestressed Concrete Design	CEE 453	3
	Design of Timber Structures	CEE 454	3
	Seminar – Reed	CEE 500	1
	Structural Mechanics II – Dynamics	CEE 502	3
	Materials (structural and geotechnical)	CEE 503	3
	Finite-Element Methods in Structural Engineering	CEE 504	3
Advanced Steel Design	CEE 513	3	
Spring Quarter	Seismology and Earthquake Engineering	CEE 431	3
	Structural Geotechnical Capstone Design Project	CEE 442	4
	Advanced Structures II	CEE 458	3
	Advanced Structural Mechanics	CEE 459	3
	Seminar – TBA	CEE 500	1
	Earthquake Engineering I	CEE 515	3
	Nonlinear Analysis (to be CEE 506)	CEE 599	3
	Hurricanes	CEE 599	3

Some Related Courses (Check catalog for availability)

Advanced Foundation Engineering	CEE 523	3
Methods in Applied Mathematics I	AMATH 401 or 567	4,5
Numerical Methods and Scientific Computing I	AMATH 571	3
Mechanical Engineering Analysis I	ME 564	3
Soil Dynamics	CEE 525	3
Methods in Applied Mathematics II	AMATH 402 or 568	4,5
Numerical Methods and Scientific Computing II	AMATH 572	3
Mechanical Engineering Analysis II	ME 565	3
Finite Element Analysis I	AA 540	3
Geotechnical Earthquake Engineering	CEE 526	3
Methods in Applied Mathematics III	AMATH 403 or 569	4,5
Numerical Methods and Scientific Computing III	AMATH 573	3
Finite Element Analysis II	AA 541	3