

CES graduate courses three-year teaching plan (tentative)

For a more detailed description of the classes listed go to ASU's [course catalog](#)

ASU Environmental 3-Year Teaching Plan								
Course	Fall 13	Spr 14	Fall 14	Spr 15	Fall 15	Spr 16	Fall 16	Spr 17
Graduate Courses								
CEE 560: Soil and Groundwater Remediation	Staff		Staff		Staff		Staff	
CEE 568: Unit Processing in Environmental Engineering								
CEE 591: Environmental Engineering Seminar	Fox	Fox	Fox	Fox	Staff	Staff	Staff	Staff
CEE 598A: Water Reuse and Reclamation		Fox		Fox		Fox		Fox
CEE 598C Environmental Microbiology Applications (1)		Abbaszadegan		Abbaszadegan		Abbaszadegan		Abbaszadegan
CEE 598D: Advanced Environmental Chemistry for Engineers								
CEE 565: Advanced Environmental Biotechnology			Rittmann				Rittmann	
CEE 598O: Data Synthesis for Environmental Engineering				Rosy				Rosy
CEE 598Z: Biotransformations		Rosy				Rosy		
Tech Electives								
CEE 470/570: Sustainable Environmental Biotechnologies			Halden		Halden		Halden	
CEE 462: Unit Operations in Environmental Engineering		Westerhoff		Westerhoff		Staff		Staff
Core Graduate Courses								
CEE 561: Physical Chemical Treatment of Water			Westerhoff		Westerhoff		Westerhoff	
CEE 562: Environmental Biochemistry and Waste Treatment		Fox		Fox		Fox		Fox
CEE 563: Environmental Chemistry Lab	Westerhoff			Fraser/Staff		Fraser		Fraser
CEE 564: Contaminant Fate & Transport		Staff		Staff		Staff		Staff
CEE 567/467: Environmental Microbiology	Abbaszadegan		Abbaszadegan		Abbaszadegan		Abbaszadegan	
CEE 569/CHE: Air Quality Engineering		Andino			Andino		Andino	

CEE 598 course topics

- 598E1 WATER REUSE AND RECLAMATION
- 598E2 ENVIRONMENTAL MICROBIOLOGY APPLICATIONS (1)
- 598E3 ADVANCED ENVIR. ENG. CHEMISTRY: WATER
- 598E4 BOUNDARY LAYER METEOROLOGY
- 598E5 ADVANCED NUMERICAL METHODS IN HYDROLOGY
- 598E6 ADVANCED ENVIROMENTAL BIOTECHNOLOGY
- 598E7 ATMOSPHERIC CHEMISTRY
- 598E8 DATA SYNTHESIS FOR ENVIR. ENGINEERING
- 598E9 ENVIRONMENTAL ENG. ANALYTICAL LABORATORY
- 598E10 BIOTRANSFORMATIONS
- 598E11 MOLECULAR MICROBIAL ECOLOGY LAB
- 598E12 SUSTAINABLE ENGINEERING
- 598E13 ADVANCED EARTH SYSTEMS
- 598G1 GEOSYNTHESIS DESIGN
- 598G2 SOIL IMPROVEMENT
- 598H1 ADVANCED WATERSHED HYDROLOGY
- 598H2 ECOHYDROLOGY OF SEMIARID LANDSCAPES
- 598H3 WATER RESOURCES SUSTAINABILITY
- 598S1 STRUCTURAL DAMAGE EVAL. AND STRENGTHENING
- 598S2 COMPOSITE MATERIALS FOR INFASTRUCTURE
- 598S3 RANDOM HETEROGENEOUS MATERIALS
- 598T1 ADVANCED PAVEMENT SYSTEMS
- 598T2 ADVANCED SOIL AND AGGREGATE CHARACTERIZATION
- 598T3 AIRPORT PAVEMENT DESIGN
- 598T4 STATISTICAL APPLICATIONS IN PAVEMENT ENG.
- 598T5 ACTIVITY-TRAVEL BEAHVIOR
- 598T6 TRAFFIC FLOW THEORY
- 598T7 INTELLIGENT TRANSPORTATION SYSTEMS
- 598T8 PUBLIC TRANSPORTATION
- 598T9 TRANSPORTATION DATA COLLECTION & ANALYSIS
- 598SU1 SUSTAINABILITY ETHICS FOR SCIENTISTS AND ENGINEERS
- 598SU2 LIFE CYCLE ASSESSMENT FOR CIVIL SYSTEMS