

**MASTER'S DEGREE PLAN OF STUDY  
HYDROLOGY/WATER RESOURCES**

Name:	Student ID Number:
Qrt/Year Expected to Advance to Candidacy:	Email Address:
Qrt/Year Expected to Graduate:	GPA:
Thesis or Non-Thesis Option:	Thesis Advisor:

COURSE TITLE	COURSE NUMBER	UNITS	GRADE	QTR/YR	<b>NON-THESIS OPTION (48 Units)</b>	<b>THESIS OPTION (48 Units)</b>
					<p><b><u>Graduate Coursework:</u></b> <b><u>(40 out of 48 Units)</u></b></p> <p><b>40</b> Units must be in non-research, graduate level approved engineering or related courses (numbered 200-292) with at least 16 of 28 units from the CEE Department.</p> <p><b>See attached list for information on approved course options.</b></p>	<p><b><u>Graduate Coursework:</u></b> <b><u>(28 out of 48 Units)</u></b></p> <p><b>28</b> Units must be in non-research, graduate level approved engineering or related courses (numbered 200-292) with at least 28 of 40 units from the CEE Department.</p> <p><b>See attached list for information on approved course options.</b></p> <p><b><u>MS Thesis Units:</u></b> <b><u>(10 out of 48 Units)</u></b></p> <p>Students can fulfill a maximum of <b>10</b> units of CEE 296 MS Thesis Research.</p>
<b>TOTAL UNITS FOR THIS SECTION:</b>						

COURSE TITLE	COURSE	UNITS	GRADE	QTR/YR	<b><u>Seminars/Other</u></b> <b><u>(8 out of 48 Units)</u></b>	<b><u>Seminars/Other</u></b> <b><u>(10 out of 48 Units)</u></b>
					<p><b><u>Required: 3 units of CEE 295: Seminars in CEE</u></b> (Max. of 3 units apply to degree requirements).</p> <p><b><u>Options for remaining 5 units:</u></b></p> <p>1) Approved graduate-level courses 2) CEE 299 Individual Research 3) Approved upper-division undergraduate units</p>	<p><b><u>Required: 3 units of CEE 295: Seminars in CEE</u></b> (Max. of 3 units apply to degree requirements).</p> <p><b><u>Options for remaining 7 units:</u></b></p> <p>1) Approved graduate-level courses 2) CEE 299 Individual Research 3) Approved upper-division undergraduate units</p>
<b>TOTAL UNITS FOR THIS SECTION:</b>						
<b>TOTAL UNITS FOR MS PROGRAM:</b>						

<b><u>SIGNATURES:</u></b>		<b><u>MS THESIS COMMITTEE MEMBERS:</u></b>	
STUDENT:	DATE:	CHAIR:	
FOCUS AREA FACULTY ADVISOR:	DATE:	MEMBER:	
CEE GRADUATE ADVISOR:	DATE:	MEMBER:	

Please submit this form to the Grad. Coordinator by the end of the FIRST quarter of enrollment. Any changes to this form MUST be approved by the Faculty Graduate Advisor.

**MASTER'S DEGREE PLAN OF STUDY  
HYDROLOGY/WATER RESOURCES**

Approved CEE Courses	Approved Non-CEE Courses: <b>Please check individual Department schedules to confirm course offerings</b>
ENGRCEE 214 GIS for CEE (F) ENGRCEE 260 Desalination (*) ENGRCEE 262 Environmental Chemistry (F) ENGRCEE 263 Advanced Biological Treatment Processes (S) ENGRCEE 264 Carbon & Energy Footprint (S) ENGRCEE 265 Physical-Chemical Treatment Processes (W) ENGRCEE 269 Beach Dynamics (*) ENGRCEE 270 Flood Rise & Risk Modeling (*) ENGRCEE 271 Flow in Unsaturated Porous Media (F) ENGRCEE 272 Groundwater Hydrology (F) ENGRCEE 273 Watershed Modeling (W) ENGRCEE 274 Climate Data Analysis (W) ENGRCEE 275 Topics in Coastal Engineering (*) ENGRCEE 276 Hydrology (F) ENGRCEE 277 Hydrologic Transport Fundamentals (S) ENGRCEE 278 Fluid Mechanics of Open Channels (*) ENGRCEE 279 Environmental Transport Modeling (W) ENGRCEE 283 Mathematical Methods in Engineering Analysis (F) ENGRCEE 289 Analysis of Hydrologic Systems (S) ENGRCEE 290 Merging Models and Data (S) ENGRCEE 291 Hydrologic Remote Sensing (*) ENGRCEE 292 Wavelets in Hydrology, Eng. and Geoscience (W) ENGRCEE 298** Intro to Env. Fluid Mechanics & Turbulence (F) ENGRCEE 298** Wildfires Science & Engineering (S)	EARTHSS 202 Climate Change EARTHSS 212 Geoscience Modeling & Data Analysis EARTHSS 238 Remote Sensing EARTHSS 240 Atmospheric Chemistry and Physics ENGRMAE 210 Adv. Fundamentals of Combustion ENGRMAE 214A Fuel Cell Fundamentals and Tech. ENGRMAE 215 Advanced Combustion Technology ENGRMAE 218 Sustainable Energy Systems ENGRMAE 260 Current Issues Related to Air Quality, Climate & Energy UPPP 205 Environmental Economics & Policy UPPP 275 Global Water Security

**Key:**

(F): Fall Quarter, (W): Winter Quarter, (S): Spring Quarter, (\*): Not offered in 2020/2021

\*\* : APPROVED ENGRCEE 298 courses can be applied toward MS program requirements via a General Petition. Please contact the Graduate Coordinator to discuss this process (Angie Zuniga: [angeliacz@uci.edu](mailto:angeliacz@uci.edu)).

**NOTE:** The following can **ONLY** be included with **prior** approval of the Graduate Advisor and/or Graduate Director.

- 1) Upper-division undergraduate courses and/or Non-CEE graduate courses (outside of those listed above). Include a description of the course in your email request to Professor Amir AghaKouchak: [amir.a@uci.edu](mailto:amir.a@uci.edu)
- 2) MS Thesis Research units can be extended to 16 units. Include email approval from Thesis Advisor in request to Prof. Russell Detwiler: [detwiler@uci.edu](mailto:detwiler@uci.edu).