

CENTRAL STATE UNIVERSITY
DEPARTMENT OF WATER RESOURCES MANAGEMENT

**Water Resources Management Program
(WRM)**

Effective from 2019-2020

Degree/Major: B. S. in Water Resources Management (Four year)
Minimum total semester hours required for graduation: 120 Credit Hours

Name: _____
Advisor: _____
Chair|ProgramCoordinator: _____

Student ID: _____
Co-Advisor: _____
Year Entered: _____

REQUIRED IN OTHER DEPARTMENTS	CrHr	Sem&Year	Grade	MAJOR REQUIREMENTS	CrHr	Sem&Year	Grade
Core General Education Plus MTH 250_ – 17~18 hrs							
ENG 1100 or ENG 1101	5 4						
ENG 1102 – Writing & Res./Essay	4						
HIS 1110 HIS 1121 HIS 1122 PSY 1200 SOC 1105	3			WRM Core Requirements - 45 hrs			
MTH 1750 – College Algebra*	3			GEL 1110 Oceanography	3		
MTH 2500# MTH 2501 MTH 2502^ MTH 2503 *If the student enters with MTH 250_ Waive MTH 1750	4# 3 15^						
Health: Physical Activity (List A) -1 hr				GEL 2205 Environmental Geology	3		
List A: HHP 11__ Physical Activity	1			WRM 2200 Intro. to WRM	3		
Humanities/Fine Arts (List B) & Social/Behavioral Sciences (List C) – 9 hrs				WRM 3302 Water Resources Policy	3		
Course B-1	3			WRM 3308 Water & Environmental Law	3		
If HIS 1110 HIS 1121 HIS 1122 then Course C-1 If PSY 1200 SOC 1105 then Course B-2	3			ENE 3309 Water Chemistry	3		
Course C-2	3			WRM 3310 Streams and Lakes	3		
				WRM 3330 Soil & Water Conservation	4		
Undergraduate Success Seminar – 2 hrs				WRM 3335 Irrigation & Drainage	3		
USS 1000 Undergraduate Success Seminar	2			WRM 3340 Hydrometry	2		
				WRM 3370 Intro. To GIS	3		
Chemistry – 8 hrs				WRM 4402 Urban Water Problems	4		
CHM 1201 General Chemistry I w/lab	4			WRM 4470 Applied Remote Sensing	3		
CHM 1202 General Chemistry II w/lab	4			WRM 4495 Senior Project in WRM	2		
Physics – 8 hrs				WRM 4596 Internship (Summer term)	3		
PHY 2611 College Physics I w/lab	4						
PHY 2612 College Physics II w/lab	4			Electives in WRM-20 hrs (including 2 hrs in ENE)			
				WRM AGR 2450 Soil Science	4		
Biology – 7 hrs				WRM 3306 Socio-Economic Issues	3		
BIO 1500 Environmental Science w/lab	4			WRM 3311 Water Resources Economics	3		
BIO 2050 Biology of the Environment w/lab	3			WRM AGR 4406 Agriculture Development	3		
				WRM AGR 4420 Irrigation Systems Design	3		
Mathematics – 3 hrs				WRM AGR 4425 Agricultural Drainage Systems Design	3		
MTH 2001 Probability and Statistics	3			ENE 4415 Water Supply	3		
				ENE 4440 Environmental Professional Seminar	1		
				ENE 4496 Senior Capstone Design Project I	1		
				Other	1 2 3 4		
				Applicable semester hours at graduation	<u>120</u>		

Students must earn a grade of “C” or better in their WRM courses

SPECIAL REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE:

1. A grade-point average in the major concentration of at least 2.0.
2. Except when required to meet accreditation or other professional standards, presentation of no more than 50 semester hours in any one discipline toward the 120 hours.
3. The sciences and the more technical subject matter areas must receive concentration and emphasis.