

**UTSA - Ph.D. in Env Science & Engineering
Department of Civil and Environmental
Program of Study Worksheet - Grad Catalog 2019-2021**

Name:		Advisor:	
Banner #:		Year Entered Program:	
Students that have obtained a Bachelors Degree area required to complete the following courses:			
Course	Title	Term	Grade
A. Degree Core Curriculum (10 Semester Credit Hrs)			
CE 5001	Process and Ethics in Thesis/Dissertation Research		
CE 5043	Advanced Civil Engineering Stats		
Or ES 5023	Environmental Statistics		
CE 5013	Civil Engineering Systems Analysis		
Or ES 5233	Experimental Design and Analysis		
Select one of the following			
CE 6383	Global Change		
ES 5043	Global Change		
GEO 5033	Geographical Information Systems		
B. Track Electives (21 Semester Hrs)			
C. Other Electives (12 semester credit hrs)			
D. Seminars) (2 semester credit hrs)			
CE 6621	Graduate Seminar in Environmental Science and Engineering		
Or ES 5981	Graduate Seminar in Environmental Science and Engineering		
E. Doctoral Dissertation and Research (45 hours) – Option I			
CE 7213	Doctoral Research		
Or CE 7212	Doctoral Research		
Or CE 7211	Doctoral Research		
CE 7313	Doctoral Dissertation		
Or CE 7312	Doctoral Dissertation		
Or CE 7311	Doctoral Dissertation		
Option II			
ES 7213	Doctoral Research		
Or ES 7212	Doctoral Research		
Or ES 7211	Doctoral Research		
ES 7313	Doctoral Dissertation		
Or ES 7312	Doctoral Dissertation		
Or ES 7311	Doctoral Dissertation		
		90 hrs	
Student Signature:		Date:	
Faculty Advisor Signature:		Date:	