Student: _____ Advisor: _____

ID: _____ Date: _____

University of St. Thomas
Bachelor of Science in Environmental Science – Analytical Track
2012-2014 Catalog

UST Core Requirements (43 hours)	Total Hours Complete	Total Hours Needed
Theology (6 credit hours) – must take in order THEO 1300/3300 – Teachings of the Catholic Church THEO 2300/3310 – Intro to the Sacred Scriptures		
Moral Theology (3 credit hours) – choose one of the following THEO 3349 – Christ and the Moral Life THEO 3351 – Prophets and Ancient Israel THEO 3352 – Paul: His Letters and Theology THEO 4323 – Teachings of Jesus THEO 4325 – Faith and Moral Development THEO 4334 – Social Justice and the Church THEO 4348 – Theology of the Body		
Philosophy (9 credit hours) – must take in order *Systematic Sequence* PHIL 1311 – Phil of the Human Person PHIL 2314 – Ethics PHIL 3313 – Metaphysics **OR** *Historical Sequence* PHIL 1315/3315 – Ancient Philosophy PHIL 2316/3316 – Medieval Philosophy PHIL 3317– Modern Philosophy		
Synthesis Course (3 credit hours) Included in Environmental Studies major requirements *(Satisfied by THEO 3322 Theology of Creation* ***OR*** *CS 3320 Re-Connecting Catholicism with the Social and Natural Sciences)*		
English (9 credit hours) – must take in order ENGL 1341 – The Classical Tradition: Literature & Composition I ENGL 1342 – The Middle Ages: Literature & Composition II ENGL 2312 – The Modern World: Literature & Composition III		
History (6 credit hours) HIST 1335 – World Community I HIST 1336 – World Community II **OR** HIST 2333 – United States to 1877 HIST 2334 – United States since 1877		
Social & Behavioral Sciences (6 credit hours) • Choose from economics, geography, international studies, political science, psychology and sociology **OR** **Oral Communication (3 credit hours)** COMM 1331 – Public Speaking OR COMM 2332 – Persuasion and Argumentation **+** **Social & Behavioral Sciences (3 credit hours)**		
Natural Sciences (8 credit hours) Included in Environmental Science major requirements **OR** **Modern and Classical Languages (6 credit hours)** • Choose two sequential courses in one language. Courses must be completed in the approved order. Choose language options from French, Spanish, (Classical) Greek, Latin, Irish, Arabic, German, Italian, Japanese, Mandarin Chinese, Russian or other available language. **+** **Natural Sciences (4 credit hours)**		
Mathematics (3 credit hours) Included in Environmental Science major requirements *(Satisfied by MATH 1431)*		
Fine Arts (3 credit hours) – choose one of the following ARTHS 1350 – Introduction to the Visual Arts ARTHS 2351 – Survey of Art I ARTHS 2352 – Survey of Art II Any upper-division Art History course DRAM 1330 – Introduction to the Theatre DRAM 3329 – Screenwriting DRAM 3331 – Playwriting DRAM 3340 – Theatre History I DRAM 3341 – Theatre History II MUSC 1331 – Introduction to Music MUSC 2363 – Basic Musicianship I MUSC 2463 – Basic Musicianship I for Music Majors Upper-division Music course		
Freshman Symposium (1 credit hour) – required for all entering freshmen UNIV 1111 – Freshman Symposium: Educating Leaders of Faith and Character		

Transfer Students:

Transferring 30-59 hours:
Theology – 6-9 hours
Philosophy – 6-9 hours
Synthesis – 3 hours
Total must be 18 hours

Transferring 60+ hours:
Theology – 6 hours
Philosophy – 6 hours
as upper or lower division

Students with transfer credit:
3 hours – take ENGL 1341, 1342
6 hours – take ENGL 3312

Transferring 60+ hours may choose:
HIST 3303 – Europe: The Middle Ages
HIST 3304 – Europe: The Early Modern Age
OR
HIST 3331 – Age of Revolutions: Europe 1715-1870
HIST 3332 – Era of Great Wars: Europe 1870-1950

Revised on 12 March 2012

Bachelor of Science in Environmental Science – Analytical Track Major Requirements (74 credit hours)	Total Hours Complete	Total Hours Needed
Environmental Science/Geology (4 credit hours) Choose one introductory course and corresponding lab from the following: ENSC 1344/1144 – Science of the Earth Environment GEOL 1341/1141 – Physical Geology ENSC 1345/1145 – Watershed Science		
Additional Environmental Science/Geology (6 credit hours) Choose two courses from the following: GEOL 3351 – Oceanic and Atmospheric Science ENSC 3330 – Energy for the Future ENSC 3360 – Coastal Ecology		
Environmental Science Internship (1 credit hours) ENSC 4191 –Internship in Environmental Science		
Choose one Option (Capstone or Thesis) in Environmental Science (3 credit hours) Capstone Option: ENSC 4398 – Capstone Seminar in Environmental Science & Studies Thesis Option: ENSC 3161 – Research Proposal ENSC 4162 – Research: Data Acquisition and Analysis ENSC 4171 – Research: Thesis Writing		
Methods in Environmental Science/Environmental Studies (3 credit hours) ENSC 3300 – Field Studies in Ecology and Environmental Science		
Additional Methods in Environmental Science/Environmental Studies (6 credit hours) Choose two methods courses from the following: ENSC 3351 – Urban Environmental Investigations ENVR 3355 – Introduction to GIS ENVR 4356 – Advanced Topics in GIS		
Environmental Electives (6 credit hours) Choose two courses from the following, at least one of which must be ENVR or ENSC (some courses might satisfy core requirements): ENVR 2346 – Authentic Development and Sustainability ENVR/ENGL 3319 – Nature and the Environment in Literature *(pre-req 9 hours of English)* ENVR 4353 – Environment Policy & Law BIOL 3331 – Ecology *(pre-req BIOL 3321 – Genetics)* CHEM 4354 – Environmental Chemistry *(pre-req CHEM 3343/3143 – Quantitative Analysis)* GEOG 3333 – Urban Geography GEOG 4330 – Geography of Natural Resources HIST 4353 – Environmental Thought in America POSC 3354 – Emergency Preparedness *(pre-req POSC 2331/2332 – American and Texas Government I & II)* POSC 3371 – Introduction to Public Administration *(pre-req POSC 2331/2332 – American and Texas Government I & II)* ECON 3351 – Environment and Natural Resource Economics *(pre-req ECON 1332 – Microeconomics)* *Or other courses with permission of the Department Chair.*		
Chemistry (24 credit hours): CHEM 1341/1141 – General Chemistry I and laboratory CHEM 1342/1142 – General Chemistry II and laboratory CHEM 2343/2143 – Organic Chemistry I and laboratory CHEM 2344/2144 – Organic Chemistry II and laboratory CHEM 3343/3143 – Quantitative Analysis and laboratory CHEM 4354/4154 – Environmental Chemistry and laboratory		
Biology (14 credit hours) BIOL 1351 – Introduction to Population Biology and Evolution BIOL 1151 – Introduction to Biology Practicum BIOL 1352 – Introduction to Cell and Molecular Biology BIOL 1152 – Basic Lab Techniques in Biology BIOL 3321 – Genetics BIOL 3331 – Ecology		
Mathematics (4 credit hours): MATH 1431 – Calculus I		
Synthesis Course (3 credit hours) Choose one of the following: THEO 3322 – Theology of Creation CS 3320 – Re-Connecting Catholicism with the Social and Natural Sciences *Or another synthesis course in THEO/PHIL/CS with permission of the Department Chair.*		
Other Environmental Science/Studies Major Requirements: •**All students must complete 40 hours of environmental service** **Recommended Coursework: MATH 1432 – Calculus II ; PHYS 2331/2111 & 2332/2112 – University Physics I and II**		
Electives to reach the 126 credit hour minimum for graduation (9 credit hours)		
Total Required	**126**	

(_____ hours transferred)

_____hrs complete +_____ hrs ip + _____hrs core + _____hrs major + _____ hrs minor + _____ hrs other + _____hrs electives = 126+