

Student: \_\_\_\_\_

**University of St. Thomas**

Advisor: \_\_\_\_\_

**Bachelor of Arts in Environmental Studies – Sustainable Cities Track**

ID: \_\_\_\_\_

**2014-2016 Catalog**

Date: \_\_\_\_\_

<b>UST Core Requirements (43 hours)</b>		<b>Total Hours Complete</b>	<b>Total Hours Needed</b>																																				
<p><b>Theology (9 credit hours) – must take in order:</b>                      THEO 1301/3301 – Intro to the Sacred Scriptures (PHIL 1311 or 1315/3315)                      THEO 2301/3311 – Teachings of the Catholic Church (THEO 1301/3301)                      THEO 3349 – Christ and the Moral Life (THEO 2301/3311 and PHIL 2314 or 2316/3316)</p>		<p style="text-align: center;"><b>Transfer Students:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;"><b>Transferring 30-59 hours:</b></td> <td style="padding: 2px;"><b>Transferring 60+ hours:</b></td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">Theology – 6-9 hours</td> <td style="padding: 2px;">Theology – 6 hours</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">Philosophy – 6-9 hours</td> <td style="padding: 2px;">Philosophy – 6 hours</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">Synthesis – 3 hours</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;"><b>Total must be 18 hours</b></td> <td style="padding: 2px;"></td> </tr> </table>		<b>Transferring 30-59 hours:</b>	<b>Transferring 60+ hours:</b>	Theology – 6-9 hours	Theology – 6 hours	Philosophy – 6-9 hours	Philosophy – 6 hours	Synthesis – 3 hours		<b>Total must be 18 hours</b>																											
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<p><b>Philosophy (9 credit hours) – must take in order:</b>  <i>Systematic Sequence</i>                      PHIL 1311 – Phil of the Human Person                      PHIL 2314 – Ethics (PHIL 1311)                      PHIL 3313 – Metaphysics (PHIL 2314)</p> <p style="text-align: center;"><b>OR</b></p> <p><i>Historical Sequence</i>                      PHIL 1315/3315 – Ancient Philosophy                      PHIL 2316/3316 – Medieval Philosophy (PHIL 1315/3315)                      PHIL 3317 – Modern Philosophy (PHIL 2316/3316)</p>																																							
<p><b>Synthesis Course (3 credit hours) – choose one of the following in consultation with academic advisor:</b>  <i>Philosophy Synthesis Pre-Req: PHIL 2314 or PHIL 2316/3316</i>  <i>Theology and Catholic Studies Synthesis Pre-Reqs: PHIL 2314 or PHIL 2316/3316; THEO 2301/3301; THEO 3349 (May also be taken as a Co-Req)</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 2px;">CS 3320 – Re-Connecting Catholicism with the Sciences</td> <td style="width: 33%; padding: 2px;">PHIL 4340 – Phenomenology and Existentialism</td> <td style="width: 33%; padding: 2px;">THEO 3345 – Theology of St. Thomas Aquinas</td> </tr> <tr> <td style="padding: 2px;">PHIL 3314 – Business Ethics</td> <td style="padding: 2px;">PHIL 4350 – Philosophy of Law: Tradition of Natural Law</td> <td style="padding: 2px;">THEO 3363 – Church History I</td> </tr> <tr> <td style="padding: 2px;">PHIL 3318 – Bioethics</td> <td style="padding: 2px;">PHIL 4352 – Philosophy of Science</td> <td style="padding: 2px;">THEO 3364 – Church History II</td> </tr> <tr> <td style="padding: 2px;">PHIL 3319 – Philosophy of the Mind</td> <td style="padding: 2px;">PHIL 4354 – Philosophy of Saint Augustine</td> <td style="padding: 2px;">THEO 4324 – Christian Ethics and the Law</td> </tr> <tr> <td style="padding: 2px;">PHIL 3336 – Political Philosophy</td> <td style="padding: 2px;">PHIL 4360 – Philosophy of War and Peace</td> <td style="padding: 2px;">THEO 4325 – Faith and the Moral Development</td> </tr> <tr> <td style="padding: 2px;">PHIL 3350 – Contemporary Logic</td> <td style="padding: 2px;">PHIL 4362 – Philosophy of Woman</td> <td style="padding: 2px;">THEO 4334 – Social Justice and the Church</td> </tr> <tr> <td style="padding: 2px;">PHIL 4312 – Philosophy of Knowledge</td> <td style="padding: 2px;">PHIL 4364 – Philosophical Themes in Literature</td> <td style="padding: 2px;">THEO 4339 – Celtic Spirituality</td> </tr> <tr> <td style="padding: 2px;">PHIL 4318 – Contemporary Philosophy</td> <td style="padding: 2px;">PHIL 4366 – Philosophy of Education</td> <td style="padding: 2px;">THEO 4336 – American Catholic Heritage</td> </tr> <tr> <td style="padding: 2px;">PHIL 4324 – Faith and Reason</td> <td style="padding: 2px;">PHIL 4361 – John Henry Newman</td> <td style="padding: 2px;">THEO 4347 – Fathers of the Church</td> </tr> <tr> <td style="padding: 2px;">PHIL 4331 – Philosophy of Art and Beauty</td> <td style="padding: 2px;">THEO 3322 – Theology of Creation</td> <td style="padding: 2px;">THEO 4360 – John Henry Newman</td> </tr> <tr> <td style="padding: 2px;">PHIL 4335 – Analytical Philosophy</td> <td style="padding: 2px;">THEO 3327 – Re-Connecting Catholicism with the Sciences</td> <td style="padding: 2px;">THEO 4374 – Modern Challenges to Christianity</td> </tr> <tr> <td style="padding: 2px;">PHIL 4337 – Philosophy of History and Culture</td> <td style="padding: 2px;">THEO 3336 – Christian Spirituality</td> <td></td> </tr> </table>		CS 3320 – Re-Connecting Catholicism with the Sciences	PHIL 4340 – Phenomenology and Existentialism	THEO 3345 – Theology of St. Thomas Aquinas	PHIL 3314 – Business Ethics	PHIL 4350 – Philosophy of Law: Tradition of Natural Law	THEO 3363 – Church History I	PHIL 3318 – Bioethics	PHIL 4352 – Philosophy of Science	THEO 3364 – Church History II	PHIL 3319 – Philosophy of the Mind	PHIL 4354 – Philosophy of Saint Augustine	THEO 4324 – Christian Ethics and the Law	PHIL 3336 – Political Philosophy	PHIL 4360 – Philosophy of War and Peace	THEO 4325 – Faith and the Moral Development	PHIL 3350 – Contemporary Logic	PHIL 4362 – Philosophy of Woman	THEO 4334 – Social Justice and the Church	PHIL 4312 – Philosophy of Knowledge	PHIL 4364 – Philosophical Themes in Literature	THEO 4339 – Celtic Spirituality	PHIL 4318 – Contemporary Philosophy	PHIL 4366 – Philosophy of Education	THEO 4336 – American Catholic Heritage	PHIL 4324 – Faith and Reason	PHIL 4361 – John Henry Newman	THEO 4347 – Fathers of the Church	PHIL 4331 – Philosophy of Art and Beauty	THEO 3322 – Theology of Creation	THEO 4360 – John Henry Newman	PHIL 4335 – Analytical Philosophy	THEO 3327 – Re-Connecting Catholicism with the Sciences	THEO 4374 – Modern Challenges to Christianity	PHIL 4337 – Philosophy of History and Culture	THEO 3336 – Christian Spirituality			
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<p><b>English (9 credit hours) – must take in order:</b>                      ENGL 1341 – The Classical Tradition: Literature &amp; Composition I                      ENGL 1342 – The Middle Ages: Literature &amp; Composition II (ENGL 1341)                      ENGL 2312 – The Modern World: Literature &amp; Composition III (ENGL 1342)</p>		<p style="text-align: center;"><b>Students with English transfer credit:</b></p> <p style="text-align: center;">3 hours – take ENGL 1341, 1342                      6 hours – take ENGL 3312</p>																																					
<p><b>History (6 credit hours):</b>                      HIST 1335 – World Community I                      HIST 1336 – World Community II</p> <p style="text-align: center;"><b>OR</b></p> <p>HIST 2333 – United States to 1877                      HIST 2334 – United States since 1877</p>																																							
<p><b>Social &amp; Behavioral Sciences (6 credit hours)</b>                      Choose <b>two</b> courses from the following:                      ECON 1331 – Principles of Macroeconomics                      ECON 1332 – Principles of Microeconomics                      GEOG 2332 – World Regional Geography                      INST 1351 – Intro to International Studies                      SOCI 1331 – Principles of Sociology                      POSC 2331 – American &amp; Texas Government I                      POSC 2332 – American &amp; Texas Government II                      PSYC 1332 – General Psychology                      PSYC 3339 – Human Growth &amp; Development (PSYC 1332)</p>		<p><b>Social &amp; Behavioral Sciences (3 credit hours)</b>                      Choose <b>one</b> course from the list on the left</p> <p style="text-align: center;"><b>+</b></p> <p><b>Oral Communication (3 credit hours)</b>                      Choose <b>one</b> course from the following:                      COMM 1331 – Public Speaking                      COMM 2332 – Persuasion and Argumentation                      MGMT 3320 – Business Communication</p>																																					
<p><b>Natural Sciences (8 credit hours)</b>                      Choose <b>two</b> lecture/laboratory courses from the following:                      BIOL 1351/1151 – Intro to Population Biology &amp; Evolution/lab                      BIOL 1352/1152 – Intro to Cell &amp; Molecular Biology/lab                      BIOL 2445 – Human Anatomy &amp; Physiology I                      BIOL 2446 – Human Anatomy &amp; Physiology II (BIOL 2445)                      CHEM 1341/1141 – General Chemistry I/lab                      CHEM 1342/1142 – General Chemistry II/lab (CHEM 1341/1141)                      ENSC 1343/1143 – Science of the Human Environment/lab                      ENSC 1344/1144 – Science of the Earth Environment/lab                      ENSC 1345/1145 – Intro to Watershed Science/lab                      GEOL 1341/1141 – Physical Geology/lab                      GEOL 1342/1142 – Historical Geology/lab                      PHYS 1331/1111 – General Physics I/lab                      PHYS 1332/1112 – General Physics II/lab (PHYS 1331/1111)                      PHYS 1323/1123 – Solar System Astronomy/lab                      PHYS 1324/1124 – Stellar &amp; Galactic Astronomy/lab                      PHYS 2331/2111 – University Physics I/lab (MATH 1431)                      PHYS 2332/2112 – University Physics II/lab (MATH 1432; PHYS 2331/2111)</p>		<p><b>Natural Sciences (4 credit hours)</b>                      Choose <b>one</b> natural science course from the list on the left</p> <p style="text-align: center;"><b>+</b></p> <p><b>Modern and Classical Language (6 credit hours)</b>                      Choose <b>two</b> sequential courses in one language. Courses must be completed in the approved order. Choose language options from Arabic, French, German, Irish, Italian, Japanese, Mandarin Chinese, Russian Spanish, and (Classical) Greek or Latin</p>																																					
<p><b>Mathematics (3 credit hours) – choose one course from the following:</b>                      MATH 1331 – Pre-calculus                      MATH 1351 – Finite Mathematics                      MATH 1431 – Calculus I                      MATH 1353 – Math for Econ &amp; Business</p>		<p>MATH 3332 – Elem Statistics for Econ &amp; Business                      MATH 2330 – Intro to Statistics for Nursing                      MATH 2434 – Applied Statistical Concepts                      MATH 3450 – Biostatistics I (6 hours math or science)</p>																																					
<p><b>Fine Arts (3 credit hours) – choose one course from the following:</b>                      ARTHS 1350 – Introduction to the Visual Arts                      ARTHS 2351 – Survey of Art I                      ARTHS 2352 – Survey of Art II                      ARTHS 3351 – Survey of Art I                      ARTHS 3352 – Survey of Art II                      DRAM 1330 – Introduction to the Theatre                      DRAM 2340 – Story of Theatre I</p>		<p>DRAM 2341 – Story of Theatre II                      DRAM 3340 – Theatre History I                      DRAM 3341 – Theatre History II                      MUSC 1331 – Introduction to Music                      MUSC 3341 – Survey of History &amp; Literature I                      MUSC 3342 – Survey of History &amp; Literature II                      MUSC 3342 – Survey of History &amp; Literature III</p>																																					
<p><b>Freshman Symposium (1 credit hour) – required for all entering freshmen</b>                      UNIV 1111 – Freshman Symposium</p>																																							

Bachelor of Arts in Environmental Studies – Sustainable Cities Track Major Requirements (53 credit hours)	Total Hours Complete	Total Hours Needed
<b>Environmental Science/Geology/Environmental Studies (8 credit hours)</b> Choose two introductory courses and corresponding labs from the following: ENSC 1343/1143 – Science of the Human Environment ENSC 1344/1144 – Science of the Earth Environment <b>OR</b> GEOL 1341/1141 – Physical Geology <i>(cannot choose both of these)</i> ENSC 1345/1145 – Watershed Science		
<b>Additional Environmental Science/Environmental Studies (12 credit hours):</b> ENVR 2346 – Authentic Development and Sustainability ENVR 3348 – Urban Planning ENSC 3351 – Urban Environmental Investigations ENSC 4398 – Capstone Seminar in Environmental Science & Studies		
<b>Choose one Option (Internship or Thesis) in Environmental Science/Environmental Studies (3 credit hours)</b> Internship Option: ENVR 4391 – Internship in Environmental Studies Thesis Option: ENSC 3161 – Research Proposal (pre-req (ENSC 3351, MATH 3332, & department consent) ENSC 4162 – Research: Data Acquisition and Analysis (ENSC 3161 & Department Consent) ENSC 4171 – Research: Thesis Writing (ENSC 4162 & department consent)		
<b>Methods in Environmental Science/Environmental Studies (9 credit hours):</b> ENSC 3300 – Field Studies in Ecology and Environmental Science ENVR 3355 – Introduction to GIS (ENSC 1344, 1144) ENVR 4356 – Advanced Topics in GIS (ENVR 3355)		
<b>Environmental—Sustainable Cities Electives (15 credit hours)</b> Choose five courses from the following, at least two of which must be ENVR or ENSC (some courses might satisfy core requirements): ENSC 3330 – Energy for the Future (ENSC 1344/1144 or permission of the department chair) ENVR 4353 – Environmental Policy & Law (ENSC 1343/1143 & 1344/1144, junior or senior standing) GEOG 3333 – Urban Geography HIST 4353 – Environmental Thought in America (junior standing) POSC 3332 – Urban Government & Politics (pre-req POSC 2331/2332 – American and Texas Government I & II) POSC 3333 – Law & Society (pre-req POSC 2331/2332 – American and Texas Government I & II) POSC 3354 – Emergency Preparedness (pre-req POSC 2331/2332 – American and Texas Government I & II) POSC 3360 – Intro to Justice and Peace Studies (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) Or other courses with permission of the Department Chair.		
<b>Mathematics (3 credit hours):</b> MATH 3332 – Elementary Statistical Methods for Economics & Business		
<b>Synthesis Course (3 credit hours)</b> Choose one of the following: THEO 3322 – Theology of Creation (pre-req :PHIL 1311 or 1315 or 3315, 2314 or 2316 or 3316, THEO 1301 or 3301 and 2301 or 3311, co-req THEO 3349) CS 3320 – Re-Connecting Catholicism with the Sciences (pre-req :PHIL 1311 or 1315 or 3315, 2314 or 2316 or 3316, THEO 1301 or 3301 and 2301 or 3311, co-req THEO 3349) Or another synthesis course in THEO/PHIL/CS with permission of the Department Chair.		
<b>Other Environmental Science/Studies Major Requirements:</b> <ul style="list-style-type: none"> <li>All students must complete 40 hours of environmental service</li> </ul>		
<b>Electives to reach the 126 credit hour minimum for graduation (30 credit hours)</b>		
<b>Total Required</b>	<b>126</b>	

Revised February 27, 2014

( \_\_\_\_\_ hours transferred)

\_\_\_\_\_ hrs complete + \_\_\_\_\_ hrs ip + \_\_\_\_\_ hrs core + \_\_\_\_\_ hrs major + \_\_\_\_\_ hrs minor + \_\_\_\_\_ hrs other + \_\_\_\_\_ hrs electives = 126+