| Student: | |
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University of St. Thomas School of Education — 7-12 Life Sciences 2014-2016 Catalog

| Advisor: | |
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| | |
| Date: | |

| UST Core Requirements (46 hours) | | | | | Total Hours Complete | Total Hours Needed | |
|---|--|---|---|---|--|--------------------------|--------|
| Theology (9 credit hours) – must take in ord | er. | | | | | Complete | Needed |
| THEO 1301/3301 – Intro to the Sacred Scripture: THEO 2301/3311 – Teachings of the Catholic Ch | s (PHIL 1311 or 1315/3315) ourch (THEO 1301/3301) | 40/0040 | | Transfer S Transferring 30-59 hours: Theology – 6-9 hours | Students: Transferring 60+ hours: Theology – 6 hours | - | |
| THEO 3349 – Christ and the Moral Life (THEO 2 Philosophy (9 credit hours) – must take in o | | 16/3316) | | Philosophy – 6-9 hours Synthesis – 3 hours | Philosophy – 6 hours | | |
| Systematic Sequence PHIL 1311 – Phil of the Human Person | Hist OR PHIL 1315/3 | orical Sequ | | Total must be 18 hours | | | |
| PHIL 2314 – Ethics (PHIL 1311) PHIL 3313 – Metaphysics (PHIL 2314) | PHIL 2316/3 PHIL 3317– | 3316 – Med Modern Pl | dieval Philos hilosophy (P | ophy (PHIL 1315/3315) HIL 2316/3316) | | | |
| Synthesis Course (3 credit hours) – choose Philosophy Synthesis Pre-Req: PHIL 2314 or PHIL 2316/3316 Theology and Catholic Studies Synthesis Pre-Reqs: PHIL 231 | • | | | | | | |
| CS 3320 – Re-Connecting Catholicism with the Sciences PHIL 3314 – Business Ethics | PHIL 4340 – Phenomenology and Ex PHIL 4350 – Philosophy of Law: Tra | | | THEO 3345 – Theology of St. Thom THEO 3363 – Church History I | as Aquinas | | |
| PHIL 3318 – Bioethics PHIL 3319 – Philosophy of the Mind | PHIL 4352 – Philosophy of Science PHIL 4354 – Philosophy of Saint Aug | | | THEO 3364 – Church History II THEO 4324 – Christian Ethics and | he I aw | | |
| PHIL 3336 – Political Philosophy | PHIL 4360 - Philosophy of War and | | | THEO 4325 - Faith and the Moral D | evelopment (| | |
| PHIL 3350 – Contemporary Logic PHIL 4312 – Philosophy of Knowledge | PHIL 4362 – Philosophy of Woman PHIL 4364 – Philosophical Themes i | n Literature | | THEO 4334 – Social Justice and the THEO 4339 – Celtic Spirituality | e Church | | |
| PHIL 4318 – Contemporary Philosophy PHIL 4324 – Faith and Reason | PHIL 4366 - Philosophy of Education | | | THEO 4336 – American Catholic He THEO 4347 – Fathers of the Church | | | |
| PHIL 4331 - Philosophy of Art and Beauty | PHIL 4361 – John Henry Newman THEO 3322 – Theology of Creation | | | THEO 4347 – Fathers of the Church | | | |
| PHIL 4335 – Analytical Philosophy PHIL 4337 – Philosophy of History and Culture | THEO 3327 – Re-Connecting Cathol THEO 3336 – Christian Spirituality | licism with the | Sciences | THEO 4374 – Modern Challenges t | o Christianity | | |
| English (9 credit hours) - must take in order | | | | Students with Englis | sh transfer credit: | | |
| ENGL 1341 – The Classical Tradition: Literature ENGL 1342 – The Middle Ages: Literature & Con | | | | 3 hours – take ENGL | 1341, 1342 | | |
| ENGL 2312 – The Modern World: Literature & Co | | | | 6 hours – take ENGL | 3312 | | |
| History (6 credit hours): | | OB | HIST 33 | 33 – United States to 1877 | | | |
| HIST 1335 – World Community I HIST 1336 – World Community II | | OR | | 34 – United States to 1677 34 – United States since 18 | 77 | | |
| Social & Behavioral Sciences (6 credit hours | s) | | Social | & Behavioral Sciences | (3 credit hours) | | |
| Choose two courses from the following: | | | Choose | one course from the list on | the left | | |
| ECON 1331 – Principles of Macroeconomics ECON 1332 – Principles of Microeconomics | | OR | | + | | | |
| GEOG 2332 – World Regional Geography | | OIX | Oral Co | ommunication (3 credit | hours) | | |
| INST 1351 – Intro to International Studies | | | | one course from the follow | • | | |
| SOCI 1331 – Principles of Sociology | | | | OMM 1331 – Public Speaki | | | |
| POSC 2331 – American & Texas Government I | | | | DMM 2332 – Persuasion ar GMT 3320 – Business Com | • | | |
| POSC 2332 – American & Texas Government II PSYC 1332 – General Psychology | | | IVI | GIVIT 3320 – Business Con | imumcation | | |
| PSYC 3339 – Human Growth & Development (PS | SYC 1332) | | | | | | |
| Natural Sciences (8 credit hours) | | | Matana | 0-1 | 1 | | |
| Choose two lecture/laboratory courses from the follow BIOL 1351/1151 – Intro to Population Biology & Evolution | | | | Sciences (4 credit hou one natural science course | | | |
| BIOL 1352/1152 – Intro to Cell & Molecular Biology/la | | | 0110030 | _ | | | |
| BIOL 2445 – Human Anatomy & Physiology I | • • • • | OR | | + | | | |
| BIOL 2446 – Human Anatomy & Physiology II (BIOL CHEM 1341/1141 – General Chemistry I/lab | 2445) | | Madaw | | | | |
| CHEM 1341/1141 – General Chemistry II/lab (CHEM | 1 1341/1141) | | | n and Classical Langua | ige | | |
| ENSC 1343/1143 – Science of the Human Environment | ent/lab | | | it hours) two sequential courses in o | one language Courses | | |
| ENSC 1344/1144 – Science of the Earth Environmen | t/lab | | | completed in the approved | | ie l | |
| ENSC 1345/1145 – Intro to Watershed Science/lab GEOL 1341/1141 – Physical Geology/lab | | | | rom Arabic, French, Germa | | | |
| GEOL 1342/1142 – Historical Geology/lab | | | | e, Mandarin Chinese, Russ | ian Spanish, and | | |
| PHYS 1331/1111 - General Physics I/lab | | | (Classic | al) Greek or Latin | | | |
| PHYS 1332/1112 - General Physics II/lab (PHYS 13 | 31/1111) | | | | | | |
| PHYS 1323/1123 – Solar System Astronomy/lab PHYS 1324/1124 – Stellar & Galactic Astronomy/lab | | | | | | | |
| PHYS 2331/2111 - University Physics I/lab (MATH 1 | | | | | | | |
| PHYS 2332/2112 – University Physics II/lab (MATH | | | | | | | |
| Mathematics (3 credit hours) – choose one of MATH 1331 – Pre-calculus | ourse morn the following: | | MATH 3 | 332 – Elem Statistics for Ed | on & Business | | |
| MATH 1351 – Finite Mathematics | | | MATH 2 | 330 – Intro to Statistics for | Nursing | | |
| MATH 1431 – Calculus I | | MATH 2434 – Applied Statistical Concepts | | | | | |
| MATH 1353 – Math for Econ & Business | o from the following: | | MATH 3 | 450 – Biostatistics I (6 hour | s math or science) | | |
| Fine Arts (3 credit hours) – choose one cours ARTHS 1350 – Introduction to the Visual Arts | e nom me ronowing: | | DRAM 2 | 341 – Story of Theatre II | | | |
| ARTHS 1350 – Introduction to the Visual Arts ARTHS 2351 – Survey of Art I | | DRAM 3340 – Theatre History I | | | | | |
| ARTHS 2352 – Survey of Art II | | DRAM 3341 – Theatre History II | | | | | |
| ARTHS 3351 – Survey of Art I | | MUSC 1331 – Introduction to Music | | | | | |
| ARTHS 3352 – Survey of Art II | | MUSC 3341 – Survey of History & Literature I MUSC 3342 – Survey of History & Literature II | | | | | |
| DRAM 1330 – Introduction to the Theatre DRAM 2340 – Story of Theatre I | | | | 342 – Survey of History & L 342 – Survey of History & L | | | |
| Freshman Symposium (1 credit hour) – requ | ired for all entering fresh | men | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | o ourroy or rilatory & L | | | |
| UNIV 1111 – Freshman Symposium | | | | | | | |
| Revised on 27 February 2014 | | | | | | | |

| School of Education — 7-12 Life Sciences Major Requirements (66-67 credit hours) | Total Hours Complete | Total Hours Needed |
|---|----------------------------|--------------------------|
| Mathematics (3 credit hours): | | |
| MATH 1331 – Pre-Calculus Algebra and Trigonometry Biology (14 credit hours): | | |
| BIOL 1351 – Introduction to Population Biology and Evolution | | |
| BIOL 1151 – 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 1351, 1151, 1352, 1152, CHEM 1341, 1141, 1342, 1142) | | |
| BIOL 3331 – Ecology (BIOL 3321) | | |
| Biology (3-4 credit hours): | | |
| Choose one of the following: | | |
| BIOL 3351 – Molecular Biology (BIOL 3321, CHEM 2343) | | |
| BIOL 3461 – Cell Biology (BIOL 3321) | | |
| Environmental Studies (4 credit hours): | | |
| ENSC 1343/1143 – Science of the Human Environment & laboratory | | |
| Chemistry (12 credit hours): | | |
| CHEM 1341/1141– General Chemistry I & laboratory | | |
| CHEM 1342/1142 – General Chemistry II & laboratory (CHEM 1341, 1141) | | |
| CHEM 2343/2143 – Organic Chemistry I & laboratory (CHEM 1342, 1142) | | |
| Professional Development (18 credit hours): | | |
| (must be completed at UST) | | |
| EDUC 3100 – Field Experience Seminar I | | |
| EDUC 3101 – Field Experience Seminar II | | |
| EDUC 3102 – Field Experience Seminar III | | |
| EDUC 3304 – Introduction to Curriculum and Instruction | | |
| EDUC 3339 – Multicultural Populations | | |
| EDUC 4338 – Classroom Management | | |
| EDUC 4370 – Student Teaching, Secondary EDUC 4371 – Student Teaching, Secondary | | |
| Multidisciplinary Studies (3 credit hours): | | |
| MS 4338 – Adolescent Learning | | |
| Reading (3 credit hours): | | |
| RDGED 3303 – Content Area Reading | | |
| English as a Second Language (3 credit hours): | | |
| BIED 4330 – Foundations and Methods of Second Language Acquisition | | |
| Special Education (3 credit hours): | | |
| SPED 4320 – Exceptionality Today's Schools | | |
| Electives to reach the 126 credit hour minimum for graduation (13-14 credit hours) | | |
| | | |
| Total Required | 126 | |

Preparation for student teaching requires 50 hours of school-based field experiences, 10 hours of church and/or community service, and 20 hours of professional development.

| (| hours transferred) | | | | | |
|---|--------------------|----------|-------------------------|---------------|-------------|-----------------------|
| | _hrs complete + | hrs ip + | _hrs core + hrs major + | _ hrs minor + | hrs other + | _hrs electives = 126+ |