Oakland University Department of Teacher Development & Educational Studies

Bachelor of Science in Elementary Education: A Quick Guide to Understanding Your Degree

Upon Graduation You Will Earn

Academic Advising Office Information

Location: 363 Pawley Hall **Phone**: (248)-370-4182 **Fax**: (248)-370-4245

1. Bachelor of Science (B.S.):



2. Michigan Teaching Certificate:



Graduates will have the opportunity to teach all subjects in grades K through 5, all subjects in a K through 8 self-contained classroom, or in endorsed subject areas for grades 6, 7 and 8.

For subject area major and minor endorsement options see pages 3 and 4.

Academic Advisers (Main Campus)

Jennifer Bellini, singleto@oakland.edu Roberta Rea, director, rlpayne@oakland.edu Adrienne Spitzer, alspitze@oakland.edu

Academic Adviser (Macomb)

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Note: All e-mail must be sent using your oakland.edu account

Appointments with Advising

Call 248-370-1482 for main campus advisers and email ltshano@oakland.edu for Laurie Shano at Macomb location.

SEHS Advising Website

www.oakland.edu/sehs/advising MTTC Help Advising Forms/Documents Transfer Equivalency Information

SEHS Scholarship Information

www.oakland.edu/sehs/student-resources/ scholarships/ Applications due annually by the first Friday in February

The program is a field-based model in which topics and issues that make up the university curriculum are immediately put into practice in public school classrooms. Participation is required in an assigned public school classroom field experience each semester that students are enrolled in professional education courses. Students will complete a minimum of two urban and two suburban field placements.

Understanding The Program Process

Pre-Elementary Education Status

Students in this status may only register for the following categories of coursework:

- Math: MTH 061(0661) —> MTH 062(0662) —> MTE 210(2110) —-> MTE 211(2111)- depending on math placement
- Writing: WRT 102 (1020) -> WRT 150(1050) -> WRT 160(1060)- depending on writing placement
- General Education (see page 7)
- Major/Minor Endorsement Area(s) (see pages 3 & 4)
- EED 312/313(2000/2001)Public Ed for the Future (prerequisites are 3.0 GPA in WRT 160(1060)& 2.80 cumulative GPA)
- SCS 105 (2060) Science for the Elementary Teacher (prerequisites are 3.0 GPA in WRT 160 (1060), 2.80 cumulative GPA, and Natural Science & Tech Gen Ed
- **EED 101** (1000) Careers in Teaching and Learning (recommended)

Major Standing Status

Students are advised to apply for Major Standing as soon as they are ready, typically in the Winter semester of their sophomore year while they are enrolled in EED 312/313 (2000/2001). All documents can be found online here: www.oakland.edu/sehs/advising/elementaryeducation. Completed documents must be submitted during a major standing appointment.

Requirements Needed to Apply for Major Standing Status:

- 1. Completed Major Standing Application and Acknowledgement Form
- 2. Completed Experiences Working with Children form: **70** total hours of non-custodial experience working with 3 or more children, ages 4-14 years. Up to 50 hours completed within the last 3 years may be accepted. At least 20 hours must have been completed within the last year. For example, students who are applying to Major Standing in February, 2017 may use up to 50 hours completed between February, 2014 and February, 2017 towards the 70 total hours required. At least 20 hours must have been completed between February, 2016 and February, 2017.
- 3. 2.80 minimum cumulative GPA.
- 4. At least 12 credits of General Education coursework completed (2.0 minimum grade required in each course).
- 5. 2.0 minimum grade ("C") in MTH 062 (0662) (or placement out of MTH 062 (0662).
- 6. 3.0 minimum grade ("B") in EED 312/313 (2000/2001) or be currently enrolled in EED 312/313 (2000/2001). Students who apply for Major Standing while enrolled in EED 312/313 (2000/2001) must earn the minimum grade required (3.0) in order to begin taking Professional courses. Students who do not earn the minimum grade required will be dropped from Major Standing and unable to begin Professional courses.
- 7. Passing score on all 3 sections of the Michigan Test for Teacher Certification (MTTC) Professional Readiness (Basic Skills) exam (Test 96). *Please note*: students must request that MTTC send their MTTC scores to OU. Students may use ACT or MME scores (from 1989 forward) to satisfy a section of the PRE according to the following chart:

Students are responsible for providing official scores if your scores are not on file at Oakland University. See an adviser for any questions about using ACT or MME scores.

Students are encouraged to sit for the MTTC Professional Readiness (Basic Skills) test as early as possible in their academic career. Those who have satisfied MTE 210 (2110) and WRT 160 (1060) are typically well-prepared to pass the test. Go to **www.mttc.nesinc.com** to see testing dates, register for the test, download a study guide and take a practice exam.

Elementary Education Subject Area Major and Minor Endorsements

| Integrated Science | | Major = 36 credits; Minor = 28 credits 2.5 minimum grade ("B-") required in each course |
|---|--|--|
| □ BIO 104 (1002)(NS) Human Biology □ BIO 300 (3000)(NS) Biology and Soc □ CHM 104 (1040)(NS) Introduction t □ PHY 108 (NS) (1080) or 101 (1010) Ge □ PHY (NS) Choose either PHY | ciety (4 credits) o Chemical Principals (4 credits) eneral Physics I (4 credits) | m or PHY 106 (1060)Earth Sciences (4 credits) |
| | PHY 106 (1060) (4 credits each; <i>Both courses</i> 1 (1200), SCS 306 (4360), CHM 300 (3 | are needed for the Major) 000), PHY 109 (1090) or PHY 120 (1200)(4 |
| Language Arts (Major required for students pursuing Early C | hildhood) | Major = 36 credits; Minor = 24 credits 2.5 minimum grade ("B-") required in each course |
| Courses Required for Minor or Major: □ ENG (LT) Choose any General Education □ ALS 176 (1101) (FL) The Humanity of La □ RDG 332 (3132) Literature for Children □ RDG 331 (3231) Teaching of Reading (□ RDG 333 (3233) Teaching the Language □ RDG 414 (4214) Reading Appraisal in t | anguage (4 credits) (4 credits; <i>Pre-requisite</i> WRT 160 (1060) (4 credits; <i>Must be in Major Standing</i>) e Arts (4 credits; <i>Must be in Major Standing</i>) | |
| Additional Courses Required for Majors O | only: | |
| ☐ Writing Component (M-WC): | |), ENG 380(3110), ENG 383 (CW 3200), JRN 200 (KA) 9, WRT 364 (3064)(KA) , ENG/WRT 386 (3086) |
| ☐ Oral Language Component (M-OLC): | | s), COM 303 (3000), COM 305 (3400), COM 307 (2702), RT), THA 104 (1004) (2 credits), THA 211(2011)(2 credits) |
| ☐ Additional Elective (M-Elective): | Additional Writing Component, additional Oral ALS 334 (4334), ALS 335(4335), ALS 374(4374 LIN 201(2201) or RDG 490 (4996)(2 credits) | |
| Pass MTTC subject test number 90 – Langu | uage Arts (Elementary) | |
| Mathematics | | Major = 30 credits; Minor = 20 credits 2.5 minimum grade ("B-") required in each course |
| are MTE 211 and STA 225) □ MTE 318 (3118) Mathematics for Eleme Additional Courses Required for Majors O □ MTH 118 (1118) (4 cr.), MTH 122 (12 | 4 credits; Pre-requisite is MTH 062. Typically offer y (4 credits; Typically offered Fall and Winter semuthematics and the Computer (4 credits; Typically entary Education (4 credits) Only, pick 3: 222) (4 cr.), MTH 141 (1441) (4 cr.), MT | red Fall and Winter semesters) |
| MTE 405 (4905) (2 cr.; <i>Typically offered Fall of</i> Pass MTTC subject test number 89 – Mathe | | |

Elementary Education Subject Area Major and Minor Endorsements

| French, German, Spani Allows one to teach in grad | es 6-8 only 2.5 minimum grade ("B-") required in ea | | | |
|--|---|--|---|--|
| Courses Required for Mi | nor or Major: | | | |
| FRENCH FRH 314(3140) FRH 316 (3160) FRH 318 (3180) FRH 351 (3510) FRH 370 (3700) FRH Elect: 3-400 level Additional Courses Required for March 180 (3800) March 180 (3800) March 180 (3800) | GERMAN □ GRM 314 (3140) □ GRM 316 (3160) □ GRM 318 (3180) □ GRM 371 (3710) □ GRM 440 (4400) □ GRM Elect: 3-400 level or Majors Only: □ M-GRM 381 (3810) □ M-GRM Elect: 300-400 level | SPANISH □ SPN 314 (3140) □ SPN 316 (3160) □ SPN 318 (3180) □ SPN 351 (3510) □ SPN 380 (3800) □ SPN 408 (4080) □ SPN Elect: 3-400 level □ M-SPN 370 (3700) □ M-SPN Elect: 300-400 level | JAPANESE ☐ JPN 314 (3140) ☐ JPN 316 (3160) ☐ JPN 318 (3180) ☐ JPN 351 (3510) ☐ JPN 370 (3700) ☐ JPN Elect: 3-400 level ☐ M-JPN 408 (4080) ☐ M-IS 220 (2200)(GP): Japan | CHINESE (minor only) CHE 314 (3140) CHE 316 (3160) CHE 318 (3180) CHE 351 (3510) CHE 355 (3550) CHE 408 (4080) CHE Elect: 3-400 level |
| ☐ M- FRH Elect: 300-400 level | ☐ M-GRM Elect: 300-400 level | INI-SI IV Elect. 500-400 level | ☐ M-JPN Elect: 300-400 level | |
| is recommended that stude guages. (Go to http://www.o | | ation for the minor elective. Sci der "Student Resources") | hedule Oral Proficiency Interview | with a score of Advanced-Low. It we'll (OPI) with Dept of Modern Lan- |
| Social Studies | 2.5 | i minimum grade ("B-") requ | uired in each course except S | Major Only= 36 credits SST 200 (3070)and 490 (4996) |
| □ PS 100 (1100) (SS) □ PS 114 (1600) or 131 □ ECN 201 (2010) □ ECN 202 (2020) (SS) □ GEO 200 (2000) (GP) □ PHY 106 (1060)(NS) □ SST 200 (3070) □ SST 490 (4996) Pass MTTC subject test respectively. | Introduction 5 (2010) (WC) Introduction Introduction Introduction (1400)(GP or SS) See cata Principles of Principles of Global Hum Earth Scien Social Stud Independen (1300), 102 (14 number 105 – Social Studies | n to American Politics (4 cr llog for title/description of of Microeconomics (4 credits of Macroeconomics (4 credits) and Systems (4 credits; Also lines (4) credits; Also lines (4) credits; Also lines (5) cre/Physical Geography (4) or Elementary and Mit of Study in Social Studies Elementary (100), or PS 114 (1600) or PS 131 (100) selementary | ce 1877 (4 credits) or World Hi redits) courses (4 credits) s) s) sted as AN 200 (2130) and IS 200 credits; Also listed as GEO 106 (1 ddle School Teachers (3 cre Education (1 to 4 credits) -(Stuc (1400) for this requirement | 0 (2000) 1060) edits) dents may substitute HST 101 |
| Dance | Audition Require | ed | | Minor ONLY= 29 credits ("B-") required in each course |
| Please contact the Da | nce Department at 248-3 | 70-2030 for more inform | ation. | |
| English as a Second Lar May only be pursued in | nguage addition to the one major | or two minors required. | | sement ONLY= 24 credits |
| ☐ LIN 201 (2201) ☐ ALS 317 (4317) ☐ ALS 375 (4375) ☐ ALS 418 (4418) ☐ ALS 419 (4960) ☐ ALS 438 (4438) Pass MTTC subject test reserved. | Models of Secon Language and C The Teaching of Practicum (4 cre | dits) (2.0 min. GPA) tice in Language Testing (| 4 credits) (2.0 min. GPA) | |

Early Childhood Endorsement

The Early Childhood Endorsement program will allow a student to earn the "ZS" endorsement. The ZS endorsement gives students a specialty elementary endorsement in Pre-K through 3rd grade. Many school districts require teachers who teach these grades to have the "ZA" endorsement. The ZS is the State of Michigan Department of Education's most current version of the ZA, as it prepares teachers to address the learning needs of children with developmental delays during the early years (www.michigan.gov/mde).

OU's Early Childhood program is a cohort, meaning that the courses must be taken in a specific order that cannot be sped up or slowed down. A new cohort will begin each Fall semester for students who have been admitted to Major Standing. Students interested in joining the Early Childhood cohort must have completed all of their general education and endorsement (i.e. Language Arts Major) coursework prior to the start of Professional Education (Major Standing) courses. Please see the next page for the suggested term-by-term schedule plan.

Students in the Early Childhood program must complete a practicum in Oakland University's Lowry Center for Early Childhood Education during their first and last semesters of the cohort. The student teaching placement for Early Childhood program students is in grades K through 3rd.

Early Childhood (ZS Endorsement)

May only be pursued in addition to the Language Arts major.

Major Only= 30 credits

3.0 minimum grade required in each course

Courses Required for Major:

- □ EC 320 (3320) (f) Child Development (4 credits)
- ☐ EC 332 (4960) (f or w) Practicum + Professional Seminar (3 credits)
- ☐ EC 322 (3322) (w) Math & Science Curriculum & Assessment (4 credits)
- □ EC 324 (3324) (w) Language Arts, Literacy & Creative Arts Curriculum & Assessment (4 credits)
- ☐ EC 326 (3326) (s1) Guidance & Behavior Management (4 credits)
- ☐ EC 328 (3328) (s2) Family, Community and School Partnership (4 credits)
- ☐ EC 330 (3330) (f) Professional Standards (4 credits)
- ☐ EC 333 (4961) (f or w) Practicum + Professional Seminar (3 credits)

Complete MTTC subject test number 106– Early Childhood Education

Choosing Your Subject Area Major

Students must complete at least 1 subject area major or 2 subject area minors. What to consider when choosing your subject area major/minors:

- Choose a subject area that is a strength and interest
- Choose an area that you would be excited to teach
- Integrated Science and Mathematics are high need subject areas that make students more marketable
- Students interested in teaching Pre-K-3rd grade should consider the Early Childhood Endorsement (with Language Arts)
- Students interested in teaching middle school should choose a subject area major and subject area minor
- Your academic adviser can help you find the right fit for your career goals and graduation timeline

Sample Elementary Education Course Sequence* Early Childhood & Language Arts

Freshman Year

FALL

- MTH 061 (0661)Elementary Algebra
- WRT 150 (1050)Composition I
- HST 114 (1100) or 115 (1200)(West Civ Gen Ed)
- THA 100 (1000) (Arts Gen Ed and Oral Language Component for Lang Arts)

WINTER

- EED 101 (1000) Careers in Teaching
- MTH 062 (0662)Intermediate Algebra
- WRT 160 (1060)Composition II
- ALS 176 (1101)(For. Language Gen Ed)
- GEO 200 (2000)(Global Persp. Gen Ed)

SUMMER

• PS 100 (1100) or 114 (1600) or 131 (1400) (Social Science Gen Ed)

TO DO

- Call the First Year Advising Center at 248-370-3227 to schedule an advising appointment
- Consider major/minor endorsement area options
- Review Major Standing requirements
- Accumulate 70 hours experience working with children

Sophomore Year

FALL

- MTE 210 (2110) Numerical Structures
- Literature Gen Ed
- Language Arts Major Elective
- PHY 106 (1060) or BIO 104 (1002)(Natural Science Gen Ed)

WINTER

- MTE 211 (2111) Structures of Geometry
- EED 312 (2000) Public Education
- SCS 105 (2060) Science for Elem Teachers
- WRT 320 (3062)or 364 (3064)or 386 (3086) or JRN 200 (2000)(Knowledge App Gen Ed & Writing Component for Lang Arts)

SUMMER

• RDG 332 (3132)Literature for Children

TO DO

- Schedule an advising appointment with the Teacher Education Advising office in 363 Pawley Hall by calling 248-370-4182
- Take MTTC Professional Readiness Exam after MTE 210 (2110)
- · Apply for Major Standing in February
- Apply for Scholarship by February: www2.oakland.edu/sehs/scholarships

Junior Year

FALI

- FE 406 (3010)Educational Psychology
- DLL 396 (4196)Microcomputers & Tech EED 406 (4180)Health Curr Elem/Midd
- EC 320 (3320)Child Development
- EC 332 (4960)Pract. + Prof. Seminar

WINTER

- EED 354 (3000)Instructional Design
- EED 420 (3001) Managing the Classroom
- EC 322 (3322)MTH & Sci.
- EC 324 (3324)L.A., Lit. & Creative Arts **SUMMER**
- EED 316 (3220)Educating Child in Art
- EC 326 (3326)Guidance & Behavior Mgmt
- EED 410 (4181) Teaching Fitness
- EC 328 (3328)Fam., Comm., & Schl Part.

TO DO

- Apply for Scholarship by February: www2.oakland.edu/sehs/scholarships
- Apply for Student Teaching in Summer: www.oakland.edu/sehs/sfs

Senior Year

FALL

- RDG 331 (3231)Teaching Reading
- RDG 333 (3233)Teaching Language Arts
- EC 330 (3330)Professional Standards
- EC 333 (4961)Practicum + Profess. Sem.

WINTER

- SE 401 (4401)Students w Special Needs
- EED 305 (4260)Teaching Science
- MTD 301 (3001)Perf. Arts for Children
- EED 470 (4270) Teaching Soc. Studies

SUMMER

- EED 302 (4230) Teaching Mathematics
- RDG 414 (4214)Reading Appraisal

TO DO

- Take Language Arts MTTC exam after RDG 331/333 (3231/3233)
- Take the MTTC Elementary Education & Early Childhood (ZS) exams (www.mttc.nesinc.com/)
- Apply for Scholarship by February: www2.oakland.edu/sehs/scholarships

Fifth Year

FALL

- EED 455 (4950)Elementary Internship
- (Student Teaching)

TO DO

- Apply for Graduation before deadline: www.oakland.edu/registrar
- Apply for Teaching Certificate on MOECS website

*NOTE: Most courses on this plan are offered Fall, Winter, and Summer (except EC courses). To develop a personalized academic plan please see your Academic Adviser.

*NOTE: Plan assumes a math placement of MTH 061 (0661) and a Writing placement of WRT 150 (1050). Actual placement in Writing and Math, additional Major/Minor Endorsement Area(s), and choice of General Education coursework impacts the time required to complete the degree.

Oakland University

| Elementary Education Program Plan Name:G# | | | | Last updated: |
|--|----|---------------|----|---------------|
| Name: | | | G# | |
| FTIAC | TR | Catalog Year: | | |

MATH PROFICIENCY – 2.0 min. GPA ("C")

| Course | Cr. | Grade/Notes |
|----------------|-----|-------------|
| MTH 061 (0661) | 4 | |
| MTH 062 (0662) | 4 | |

WRITING PROFICIENCY

| Course | Cr. | Grade/Notes |
|------------------------------------|-----|-------------|
| WRT 102 (1020)- 2.0 min. GPA ("C") | 4 | |
| WRT 150 (1050)- 2.0 min. GPA ("C") | 4 | |
| WRT 160 (1060)- 3.0 min. GPA ("B") | 4 | |

GENERAL EDUCATION – 2.0 min. GPA ("C"); Classes that double count with a subject major/minor require a 2.5 min. GPA ("B-")

| Course | Cr. | Grade/Notes |
|---------------------------------------|-----|-------------|
| Formal Reasoning: | 4 | |
| MTE 211 (2111) Required | | |
| Arts: | 4 | |
| THA 100 (1000) | | |
| Foreign Language & Culture: | 4 | |
| ALS 176 (1101) | | |
| or Modern Language | | |
| Global Perspective: | 4 | |
| GEO 200 (2000) or HST 205 (2010) | | |
| Literature: | 4 | |
| Refer to Catalog | | |
| Natural Science & Tech: | 4 | |
| PHY 106 (1060) or BIO 104(1002) | | |
| Social Science: | 4 | |
| PS 100(1100), 114(1600), or 131(1400) | | |
| Western Civilization: | 4 | |
| HST 114(1100)or 115(1200) | | |
| Knowledge Application: | 4 | |
| WRT 320 (3062) or 364(3064) or 386 | | |
| (3086) or JRN 200 (2000) | | |

Note: General Education recommendations above enable students to double count with major/minor endorsements and help prepare for the MTTC Elementary Education test #103.

20-CREDIT PLANNED PROGRAM *

| * | 4 | |
|---|---|--|
| * | 4 | |
| * | 4 | |
| EED 316 (3220), 406(4180), & 410 (4181)and MTD 301 (3001)— 2.8 min. GPA required in each; Major Standing & prerequisites required | 9 | Double Count from Professional Sequence |
| Elective(s) if needed to achieve 20-credit minimum: | | |

^{*}Required: Three additional Endorsement Area Courses (see next page) that are not in the student's chosen Endorsement Area Major or their two Minors. (Note: any student who completes more than the minimum one major or two minor endorsements has satisfied this requirement.)

MTTC EXAM REQUIREMENT

Date created and initial:

Professional Readiness Exam (Test #96) or ACT or MME scores replacing PRE:

> Reading ____ Math____ Writing

Students will also need to complete the MTTC elementary education test #103 for certification K-5 and endorsement tests for majors and minors for 6-8. For test information: http://www.mttc.nesinc.com

PRE-PROFESSIONAL COURSES - GPA min. varies

| Course | Cr. | Grade/ Notes |
|--|-----|-----------------|
| EED 312 (2000) OR EED 101(1000)+ 313 (2001)- 3.0 min GPA | 3/2 | |
| SCS 105 (2060)- 2.8 min. GPA ("B") | 4 | |
| MTE 210 (2110)– 2.0 min. GPA ("C") | 4 | |
| MTE 211 (2111)– 2.0 min. GPA ("C") | 4 | |

PROFESSIONAL SEQUENCE – 2.8 min. GPA

All courses listed below require Major Standing Status or an approved petition of exception to start professional courses

| approved petition of exception to start professional courses | | | | | | |
|--|---|-----|-----------------|--|--|--|
| Course | Title | Cr. | Grade/ Notes | | | |
| FE 406 (3010) | Ed Psy K-12 | 4 | | | | |
| DLL 396 (4196) | Dig Tech EL | 4 | | | | |
| EED 354 (3000) | Inst Design and Assessment | 4 | | | | |
| EED 420 (3001) | Mgng Clsrm Comm US Divrs Lmrs | 4 | | | | |
| EED 406 (4180) | Health Curr Elem-Mdl Levels | 1 | | | | |
| EED 410 (4181) | Tchg Fitness Wellbng Elem Mdl | 2 | | | | |
| SE 401 (4401) | Students w/ Special Needs | 4 | | | | |
| EED 316 (3220) | Educ. Child in Art | 3 | | | | |
| MTD 301(3001) | Perf. Arts for Children | 3 | | | | |
| EED 428 (4240) | Teaching Foreign Lang. | 3 | | | | |
| RDG 331 (3231) | Teaching of Reading | 4 | | | | |
| RDG 333 (3233) | Teaching the Lang. Arts | 4 | | | | |
| EED 470 (4270) | Teaching Soc. Studies | 4 | | | | |
| EED 305 (4260) | Teaching Science | 4 | | | | |
| RDG 414 (4214) | Reading Appraisal | 4 | | | | |
| EED 302 (4230) | Teaching Mathematics | 4 | | | | |
| EED 455 (4950) | Capstone: Student Teaching (All other required courses must be completed) | 12 | | | | |

Teaching Endorsement Options (Grades 6-8)

Students must choose one Subject Area Major or two Subject Area Minors

2.5 min. GPA ("B-") required for each major or minor endorsement area course unless noted otherwise.

| LANGUAGE ARTS | Major=36; Minor=24 |
|---------------|-----------------------|
| LANGUAGE AKIS | 1V1aj01-30, 1V111101- |

| | | , , |
|---------------------|-----|-----------------------------------|
| Course | Cr. | Grade/Notes |
| ENG | 4 | |
| Literature Gen Ed | | |
| ALS 176 (1101) | 4 | |
| RDG 332 (3132) | 4 | |
| RDG 331, 333, & | 12 | Included in Professional Sequence |
| 414 (3231, 3233, | | |
| 4214) | | |
| Major- Writing | 4 | WRT 320 (3062)or 364 (3064) or |
| Component | | 386 (3086) or JRN 200 (2000) |
| | | |
| Major-Oral | 4 | THA 100 (1000), COM 201(2000), |
| Language | | COM 202(2403), COM 303(3000), |
| Component | | COM 305(3400) |
| Major-Elective | 4 | Additional Writing, Oral Language |
| | | or see page 3 of booklet for more |
| | | options |
| Electives if needed | | |

FRENCH, SPANISH, GERMAN, JAPANESE, CHINESE Major=32; Minor=20-24

| FRH | SPN | GRM | JPN | CHE minor only | CR | Grade/ Notes |
|-----------------|-----------------|------------------|-----------------------|----------------------|----|-----------------|
| 314 (3140) | 314 (3140) | 314 (3140) | 314 (3140) | 314 (3140) | 4 | |
| 316 (3160) | 316 (3160) | 316 (3160) | 316 (3160) | 316 (3160) | 2 | |
| 318 (3180) | 318 (3180) | 318 (3180) | 318 (3180) | 318 (3180) | 2 | |
| 351 (3510) | M-350 (3500) | 371 (3710) | 351 (3510) | 351 (3510) | 4 | |
| 370 (3700) | 351 (3510) | 440 (4400) | 370 (3700) | 355 (3550) | 4 | |
| Elective | 408 (4080) | Elective | Elective | 408 (4080) | 4 | |
| M-380 (3800) | 380 (3080) | M -381 (3810) | M-408 (4080) | Elective | 4 | |
| M- Elective | M-370 (3700) | M- Elective | M-IS 220 (2200) | N/A | 4 | |
| M- Elective | M- Elective | M- Elective | M- Elective | N/A | 4 | |

Must also take EED 428 and achieve Advanced-Low in Oral Proficiency

ADDITIONAL ENDORSEMENT OPTIONS (These endorsements may be chosen <u>in addition</u> to the student's one Endorsement Area Major or two Endorsement Area Minors listed above):

| English as a Second Language Endorsement 24 cre | | |
|---|-----|---|
| Course | Cr. | Grade/Notes |
| LIN 201 (2201) | 4 | |
| ALS 375 (4375) | 4 | |
| ALS 317 (4317) | 4 | |
| ALS 418 (4418) | 4 | (prereq is LIN201) |
| ALS 438 (4438) | 4 | (prereq is ALS 317 (4317)or 418 (4418)and instructor's permission) |
| ALS 419 (4960) | 4 | (prereq is ALS 418 (4418) and instructor's permission) |

| MATHEMATICS | | Major=30; Minor=20 |
|------------------------------|-----|--|
| Course | Cr. | Grade/Notes |
| STA 225 (2220) | 4 | |
| MTE 210 (2110) | 4 | |
| MTE 211 (2111) | 4 | |
| MTE 410 (4110) | 4 | |
| MTE 318 (3118) | 4 | |
| Major-Elective | 4 | MTH 118(1118), |
| | | MTH 122(1222),MTH 141(1441) |
| | ļ., | MTH 154(1554), CSI 130 (1300) |
| Major-Elective | 4 | MTH 118(1118), |
| | | MTH 122(1222),MTH 141(1441) MTH 154(1554), CSI 130 (1300) |
| Major-Elective | 2 | MTE 405(4905) (fall) |
| Electives if needed | | |
| SOCIAL STUDIES | | Major Only=36 |
| Course | Cr. | Grade/Notes |
| HST 114 (1100) | 4 | |
| HST 115 (1200) or 205 (2010) | 4 | |
| PS 100 (1100) | 4 | |
| PS 114 (1600) or 131 (1400) | 4 | |
| ECN 201 (2010) | 4 | |
| ECN 202 (2020) | 4 | |
| GEO 200 (2000) | 4 | |
| PHY 106 (1060) | 4 | |
| SST 200 (3070) | 3 | 2.8 min. GPA |
| SST 490 (4996) | 1 | 2.8 min. GPA <u>or</u> approved elective |
| Electives if needed | | |

INTEGRATED SCIENCE Major=36; Minor=28

| Course | Cr. | Grade/Notes |
|------------------------------------|-----|-------------------------|
| SCS 105 (2060) | 4 | |
| BIO 104 (1002) | 4 | |
| BIO 300 (3000) | 4 | |
| CHM 104 (1040) | 4 | |
| PHY 108 (1080) (or 101 | 4 | |
| (1010)) | | |
| PHY 104 (1040) or 106 (1060) | 4 | |
| SCI 100 (1000) | 4 | |
| Major-PHY 104 (1040) or 106 (1060) | 4 | |
| Major- Elective | 4 | BIO 111(1200), SCS 306 |
| | | (4360), CHM 300 (3000), |
| | | PHY 109(1090), or |
| | | PHY 120 (1200) |
| Electives if needed | | |

Early Childhood Endorsement

30 credits

(3.0 min. ("B") in each course; LA majors only; limited to 25 students per year)

| Course | Cr. | Grade/Notes |
|---------------|-----|----------------|
| EC 320 (3320) | 4 | fall |
| EC 332 (4960) | 3 | fall or winter |
| EC 322 (3322) | 4 | winter |
| EC 324 (3324) | 4 | winter |
| EC 326 (3326) | 4 | summer I |
| EC 328 (3328) | 4 | summer II |
| EC 330 (3330) | 4 | fall |
| EC 333 (4961) | 3 | fall or winter |