MSSU DEPARTMENT OF TEACHER EDUCATION
Unified Science Physics 9-12

NAME:_____________________________________
(Last) (First) (MI) SID___________________

ADDRESS:_________________ (Street) (City) (State) (Zip) (Phone)

GENERAL ED REQUIREMENTS
A. ENG 101 Eng Comp 3
B. ENG 102 or 111 Eng Comp 3
B. COMM 100 Oral Comm 3
C. MATH 150 or above 3
[(Check major for additional math requirements)
D1. Life Sciences 4
(BIO 101, 110, 121, EH 101)
D2. CHEM; PHYS; or GEOL 4-5
(CHEM 151; PHYS 250, 260; GEOL 120, 185 or 210 & 212)

Check supporting requirements
E1. HIST 110 or 120 American Hist 3
E2. PSC 120 Nat’l, State, Gov’t 3
E2. Social & Behavioral Science 3
(ECON 101, GEOG 101, SOC 110)
F1. Humanities & Fine Arts 3
(ART 110, MUSIC 106 or 110, TH 110)
F2. Humanities & Fine Arts 3
(ENG 250, 261, 262, 271, 272, 281, 282, 305, PHIL 201, 212)
G. KINE 103 Lifetime Wellness 2
H. UE 100 University Experience 3
I. EDUC 280 Educ in Global Soc 3

DEPARTMENT OF TEACHER ED REQUIREMENTS
- Grades of C or better in professional education are required for Certification by the State of Missouri
- 55 hrs required to enter Jr. Block
- 2.75 GPA
- Enhanced ACT composite 20 or higher
- Mo GEA must be passed before Jr. Block
- Complete MEP Assessment

APPLICATION FOR ADMISSION TO TEACHER ED MUST BE APPROVED PRIOR TO JR. BLOCK.

JR. BLOCK
EDUC 321 Microteaching 2
EDUC 329 Pedagogy 4
EDUC 423 Classroom Mgt 2
EDUC 422 Cont Area Lit I: MS/Sec 3
(Recommended with Jr. Block)

POST JR. BLOCK
EDUC 424 Cont Area Lit II: MS/Sec 3
*(CANNOT be concurrent with EDUC 422
(For those students graduating Fall 2017 or later, EDUC 424 will be required for graduation)
EDUC 333 Tchg Sci in Sec Sch 3
(May be taken with Jr. Block)

ELECTIVE (Choose One)
EDUC 412 Mid Sch Org/Ph & Curr 2
EDUC 413 Mth of Tchg M.S. 2
EDUC 420 Intro to Counseling 3
PSY 412 Measurement & Eval 2

All content and EDUC courses completed before professional semester.

PROFESSIONAL SEMESTER
EDUC 432 Critical Issues 2
EDUC 462 Student Teaching (Sec) 10

Courses with an EDUC prefix cannot be taken until the Jr. Block has been completed. Exceptions: EDUC 100, 280, 301, & 302 should be taken prior to Jr. Block.

Program requirements are subject to revision due to certification changes.

All candidates must submit an approved portfolio, pass the Missouri Content Assessment & complete an exit interview.
For Oklahoma, Kansas, & Arkansas certification see the certification officer in the Teacher Ed Administrative Office.
**UNIFIED SCIENCE PHYSICS REQUIREMENTS**

1. PHYS 250 Gen Physics I  
2. PHYS 260 Gen Physics II  
3. PHYS 290 Gen Physics III  
4. PHYS 291 Lab  
5. PHYS 301 Modern Physics  
6. PHYS 312 Statistics  
7. PHYS 322 Classical Mech  
8. PHYS 341 Therm Physics  
9. PHYS 372 Elect Circuits  
10. PHYS 381 Inter Phys Lab WI  
11. PHYS 490 Seminar  
12. **Select One:**  
    - BIO 312 Environmental Bio (4 hrs)  
    - BIO 402 General Ecology (4 hrs)  
    - BIO 481 Aquatic Ecology (4 hrs)  
    - GEOL 300 Environmental Geol (4 hrs)  

**Supporting Requirements**

10. PHIL 420 Phil of Science  
11. BIO 110 Prin of Biology I  
12. BIO 111 Prin of Biology II  
13. CHEM 151 Gen Chem I  
14. CHEM 152 Gen Chem II  
15. GEOL 120 Intro to Geology  
16. GEOL 185 Intro to Meteor  
17. MATH 150 Calc w/Anal Geom  
18. MATH 250 Calc w/Anal II  
19. MATH 260 Calc w/Anal III  
20. CIS 110 Programming I

**To add a Middle School endorsement:** Complete Educ 412, Educ 413, Educ 342 (recommended) or Educ 343. Application is made after graduation through DESE. Student teaching is done in your initial certification area; grades 9-12.

DESE requires a 3.0 grade point average in the content classes beginning with fall 2017 graduates.

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