

IF THIS PROGRAM OF STUDY WAS COMPLETED BY AN ADVISOR THROUGH THE COE, STUDENT SERVICES OFFICE, YOU MUST BRING IT WHEN STARTING YOUR FILE AND THEN KEEP IT TO USE AS A GUIDE WHEN COMPLETING YOUR BOARD APPLICATION AND STUDENT TEACHING APPLICATION.

Student Name: _____ Dept. Advisor _____

ID Number: _____ Checked by: _____

Catalog Year: 2015 - 2016

**EAST TENNESSEE STATE UNIVERSITY
COLLEGE OF EDUCATION
APPROVED PROGRAM OF STUDY IN TEACHER PREPARATION FOR**

PHYSICS

7-12

417

Tennessee Licensing Endorsement

Grade Level

Code#

GENERAL EDUCATION REQUIREMENTS:

TOTAL GENERAL EDUCATION HOURS 41-42

I. COMMUNICATION (9 hours)

- _____ ENGL 1010 Critical Reading & Exp. Writ. (3)
- _____ ENGL 1020 Critical Thinking & Argument. (3)

One of the following:

- _____ SPCH 1300 Intro to Comm. Studies (3)
- _____ SPCH 2300 Public Speaking (3)
- _____ SPCH 2320 Arg. & Debate (3)*(req BS)

II. USING MATHEMATICS (3-4 hours)

- _____ MATH 1840 Analy. Geom and Differ Calc (3)
- _____ MATH 1530 Probability and Statistics (3)
- _____ MATH 1910 Calculus I (4)

III. SCIENCE (8 hours)

Open to Non-Science Majors only:

- _____ BIOL 1010-1011 Biology for Non-majors I (4)
- _____ BIOL 1020-1021 Biology for Non-majors II (4)
- _____ CHEM 1030 Intro. to Chem. Survey (4)
- _____ PHYS 1030 Intro. to Physics Survey (4)
- _____ CHEM 1000 Chemistry & Well-Being (4)

Open to all:

- _____ ASTR 1010 Astronomy I (4)
- _____ ASTR 1020 Astronomy II (4)
- _____ ASTR 1035 Life in the Universe (4)
- _____ BIOL 1110-1111 Biol for Sci Majors I (4)
- _____ BIOL 1120-1121 Biol for Sci Majors II (4)
- _____ BIOL 1130-1131 Biol for Sci Majors III (4) (TI)
- _____ CHEM 1110-1111 Gen. Chemistry I (4)
- _____ CHEM 1120-1121 Gen. Chemistry II (4)
- _____ GEOL 1040-1041 GEOS: Earth/Society (4)
- _____ GEOL 1050-1051 GEOS: Earth Thru Time (4)
- _____ HSCI 2010-2011 Anatomy & Phys. I (4)
- _____ HSCI 2020-2021 Anatomy & Phys. II (4)
- _____ PHYS 2010-2011 Gen. Physics I (4) (WI)
- _____ PHYS 2020-2021 Gen. Physics II (4) (WI)
- _____ PHYS 2110 Tech. Phys Calc. (5)*(rec)
- _____ PHYS 2120 Tech. Phys II Calc. (5)*(rec)

IV. HISTORY (6 hours)

- _____ HIST 2010 U.S. History to 1877 (3)
- _____ HIST 2020 U.S. History since 1877 (3)
- HIST 2030-History of TN (3 credits) may be substituted for 3 credits of US History

V. HUMANITIES AND FINE ARTS (9 hours)

Literature – complete one of the following:

- _____ ENGL 2030 Literary Heritage (3)
- _____ ENGL 2110 American Literature I (3)
- _____ ENGL 2120 American Literature II (3)
- _____ ENGL 2210 British Literature I (3) (WI)
- _____ ENGL 2220 British Literature II (3) (WI)
- _____ ENGL 2430 European Literature (3) (WI)
- _____ ENGL 2330 World Literature (3)

Fine Arts – complete one of the following:

- _____ ARTH 2010 Art History Survey I (3)
- _____ ARTH 2020 Art History Survey II (3)
- _____ BLUE 2150 American Roots Music (3)
- _____ MUSC 1030 Introduction to Music (3)
- _____ MUSC 1035 History of Jazz (3)
- _____ DANC 1500 Dance as a Human Exp. (3)
- _____ THEA 1030 Intro. to Theatre (3)
- _____ HUMT 2310 Arts and Ideas I (3)
- _____ HUMT 2320 Arts and Ideas II (3)

Humanities Elective – complete one of the following

- _____ ENGL 3150 Lit., Ethic, & Values (3) (WI)
- _____ ENGL 3280 Mythology (3) (WI)
- _____ ENTC 3020 Technology and Society (3)
- _____ HIST 1110 World History & Civ. to 1500 (3)
- _____ HIST 1120 World History & Civ. Since 1500 (3)
- _____ PHIL 1030 Introduction to Philosophy (3)
- _____ PHIL 2020 Introduction to Ethics (3) (WI)
- _____ PHIL 2040 Phil. As Conversation (3) (OI)
- _____ PHIL 2640 Science & Mod. World (3)*(req BS)
- _____ RELI 2210 Intro. Study of World Religions (3)

VI. SOCIAL AND BEHAVIORAL SCIENCES (6)

- ECON 1050 Economics & Society (3) OR
- ECON 2210 Principles of Macroeconomics (3)
- GEOG 1012 Introduction to Cultural Geography (3)
- HDAL 2310 Developmental Lifespan Psychology (3)
- HDAL 2340 Understanding Cultural Diversity (WI) (OI) (3)
- MCOM 1030 Intro to Mass Communications (3)
- PSCI 1110 Political Life (3) (WI) (OI)
- PSCI 1120 Introduction to American Government (3)
- PSYC 1310 Introduction to Psychology (3)
- SOCI 1020 Introduction to Sociology (3)
- ANTH 1240 Introduction to Cultural Anthropology (3)
- SOCI 2020 Social Problems (3) (WI)
- SRVL 1020 Introduction to Service Learning (3) (WI) (OI)
- WMST 2010 Introduction to Women's Studies (3) (WI)
- ECON 2220 Principles of Microeconomics

ADDITIONAL GRADUATION REQUIREMENT

USING INFORMATION TECHNOLOGY 0-(3 hours)

- CSCI 1100 Using Information Technology (circle 2 or 3 hrs.) OR
- Pass UIT Proficiency Exam

Writing, Oral and Technology Intensive courses reinforce academic proficiencies in a student's ability to write, speak, and use technology. All intensive courses must be taken at ETSU. Students may exceed intensive requirements but must meet minimum requirements for graduation.

ALL INTENSIVE COURSES LISTED BELOW MUST BE COMPLETED TO MEET PROGRAM AND GRADUATION REQUIREMENTS. PLEASE DISCUSS INTENSIVE REQUIREMENTS WITH MAJOR ADVISOR.

WRITING: COURSES (WI)

ORAL: COURSE(S) ((OI)

TECHNOLOGY: COURSE(S) (TI)

SECONDARY EDUCATION MINOR: requires admission to Teacher Education to enroll

- EDFN 2100 Orientation to the Profession of Education (1)
- EDFN 2300 Foundations for Teaching (2) (must meet test score requirement to register)
- EDFN 3301 Issues in Education (3) ✓ (WI)
- EDFN 3310 Educational Psychology (3)
- SPED 2300 Exceptional Learners in Schools and Communities (3)
- MEDA 3570 Educational Technology (2) (TI) ✓
- READ 4437 Reading Instruction in the Middle and Secondary Schools (3) (7-12) ✓ (WI)
- CUA1 4571 Pre-Residency: Classroom & Instruc Management in Middle and Secondary Schools (1) ✓ Summer
- CUA1 4416 Residency I: Middle and Secondary School Curriculum, Methods, and Assessment (2) ✓ Fall
- CUA1 4426 Residency I: Middle and Secondary School Curriculum and Methods Field Experience (1) ✓ Fall
- SCED 4417 Residency I: Teaching Science in Secondary Schools (3) ✓ Fall

TOTAL HOURS FOR THE MINOR: 24

PROFESSIONAL SEMESTER:

- CUA1 4580 Residency II: Student Teaching (12) (OI) ✓ Spring

ALL TEACHER LICENSURE STUDENTS MUST RECEIVE ADVISEMENT FROM THE COLLEGE OF EDUCATION PROFESSIONAL ADVISOR IN ROOM 321 WARF-PICKEL.

SECONDARY PHYSICS EDUCATION SCIENCE CORE

Biological Science 8____
BIOL 1110/1111 Biology for Science Majors I, Lab
BIOL 1120/1121 Biology for Science Majors II, Lab

Chemistry 8____
CHEM 1110/11 Gen. Chemistry I/Lab
CHEM 1120/21 Gen. Chemistry II/Lab

Geology/Geography 8____
GEOL 1040-1041 GEOS: Earth/Society
GEOL 1050 GEOS: Earth Thru Time

Physics 10____
PHYS 2110 Gen. Physics I/Lab W(S97) *
PHYS 2120 Gen. Physics II/Lab W(S97)*

Math
MATH 1530 : Probability & Statistics 7____
MATH 1910: Calculus I

Basic core in science 39____

PHYSICS CONCENTRATION:
PHYS 2110 Technical Physics I-Calc. Based 5____
PHYS 2120 Technical Physics II-Calc. Based 5____
PHYS 3010 Mechanics 4____ (OI, TI)
PHYS 3410 Advanced Physics Lab 2____
PHYS 3610 Intro to Atomic & Nuclear Physics 3____
PHYS 3710 Electricity and Magnetism 4____ (WI)
PHYS 4117 Thermal & Statistical Physics 4____ (WI)
PHYS 4617 Quantum Physics 4____ (WI)
ASTR 1010 Introduction to Astronomy 4____
ASTR 1020 Astronomy 4____

- **Courses on this page pertain to Teaching Licensure requirements. Additional major and degree requirements may apply. For major and degree requirements it is necessary to meet with your major advisor.**

Physics updated 05/14

TEACHER EDUCATION ENTRANCE AND EXIT REQUIREMENTS

ENTRANCE

- ___ Declaration of Intent Form
- ___ Praxis Core, ACT, or SAT minimal test scores
- ___ 2.75 GPA in 32 Gen Ed hours & overall (see criteria)
- ___ Completed EDFN 2100 & 2300 with "B-" or above
- ___ Background Check completed 4 wks prior to submitting Teacher Education Application (This must be initiated in Warf Pickel, 321 or it will NOT be accepted.)
- ___ CSCI 1100 or proficiency exam
- ___ GPA of 3.0 in all major courses with no more than one course with grade below "C" (2.0), including any course that has been repeated.
- ___ Admission Board Interview

ENTRANCE TO R II

- ___ Praxis II test Scores
 - Principles of Learning & Teaching
 - Specialty Area (s)

EXIT

- ___ Recommendation for Licensure