Kennesaw State University
Department of Pysics

BS Physics, Education Track

See http://www.kennesaw.edu/owlteach

*See http://catalog.kennesaw.edu for general education comments, prerequisites, course descriptions, program details, and graduation requirements.

CHECKLIST | Effective Fall 2016

GENERAL EDUCATION (45 hrs)		
AREA A: Essential Skills		
ENGL 1101 Composition I (3 hrs)		
ENGL 1102 Composition II (3 hrs)		
MATH 1112 College Trig or MATH 1113 (3 hrs)PreCalculurs [a]		
AREA B: Institutional Options (*Recommended by Department)[c]		
ECON 1000 Contemporary Economics Issues (3 hrs)		
COM 1100 Human Recommunication (3 hrs) *		
AREA C: Humanities/Fine Arts		
Select 1 of 10 Literature of the World: ENGL 2110, 2111, 2112, 2120, 2121, 2122, 2130, 2131, 2132, or 2300 (3 hrs)		
Select 1 three hour Arts and Culture of the World course: ART , MUSI , TPS, or DANC 1107		
AREA D: Science, Math, and Technology		
CHEM 1211 General Chemistry I Lab (3 hrs)		
CHEM 1211L General Chemistry I Lab (1 hr)		
CHEM 1212 General Chemistry II (3 hrs)		
CHEM 1212L General Chemistry I Lab (1 hr)		
MATH 1190 Calculus I (4 hrs)		
AREA E: Social Sciences (*Recommended by Department)[c]		
POLS 1101 American Government (3 hrs)		
HIST 2112 America Since 1890 (3 Hrs) *		
HIST 1100 Introduction to World History (3 hrs) *		
STS 1101 Science, Technology, and Society (3 hrs) *		
INSTITUTIONAL REQUIREMENT		
WELL 1000 Fitness for Living (3 hrs)		
FREE ELECTIVES (3 hrs)[a,b]		
KSU First Year Seminar (3 hrs) or Learning Community[b]		
AREA F: LOWER DIVISION REQUIREMENTS (19 hrs)		
PHYS 2211 Principles of Physics I (3 hrs)		
PHYS 2211L Principles of Physics I Lab (1 hr)		
PHYS 2212 Principles of Physics II (3 hrs)		
PHYS 2212L Principles of Physics II Lab (1 hr)		
PHYS 2211 Principles of Physics III (2 hrs)		
BIOL 1107 Biological Principles I (3 hrs)		
BIOL 1107 Biological Principles I Lab (1 hrs)		
MATH 2202 Calculus II (3 hrs)		
MATH 2203 Calculus III (3 hrs)		

[a] New students are required to take the online Math Advisement Placement Test (MAPT) available at http://placement.kennesaw.edu. Students who do not start at MATH 1190 as their first MATH can use MATH 1111, MATH 1112, or MATH 1113 as Free Electives.

[b] First time, full-time students with less than 15 hours are required to satisfy the First Year requirement.

[c] Courses recommended by department, to see full list of courses to satisfy requirement view catalog

UPPER DIVISION MAJOR REQUIREMENTS		
REQUIRED COURSES		
MATH 2306 Differential Equations (3 hrs)		
PHYS 3210 Intermediate Mechanics (4 hrs)		
PHYS 3220 Electomagnetism I (3 hrs)		
PHYS 3410K Electronics Laboratory (2 hrs)		
PHYS 3500K Introduction to Computational Physics (2 hrs)		
PHYS 3710 Modern Physics (4 hrs)		
PHYS 4210 Quantum Physics (4 hrs)		
PHYS 4230 Thermal Physics (4 hrs)		
PROFESSIONAL EDUCATION REQUIRENMENTS		
** EDSM 1101 Step 1: Inquiry Approached to Teaching (1 hr) (10 hr field experience)		
EDSM 1101 Step 2: Inquiry-based Lesson Design (1 hr) (10 hr field experience)		
EDSM 2010 Knowing and Learning (2 hr)		
SCED 2421 Classroom Interactions (3 hr) (45 hr field experience)		
SCED 3010 Perspectives on Science Teaching (3 hr)		
PHED 3372 Research Methods or Directed Study (2 hrs)		
PHED 4422 Project-based Instruction (3 hrs) (45 hr field experience)		
PHED 4423 Seminar - Pedagogical Content Knowledge for Physics (2 hrs)		
PHED 4660 Year-long Clinical Practicum II (6 hrs) (560 hr field experience)		
INED 3305 Teaching Students with Exceptionalities I (2 hrs)		
INED 3306 Teaching Students with Exceptionalities II (1 hr)		
INED 4435 Teaching Adolescent English Learners (1 hr)		
INED 4436 Teaching Diverse Language Learners (2 hrs)		
ITEC 3300 Improv. Teach. w/ Tech. in HS Classroom (3 hrs)		

** ***A cleared Background check is required to commence the OwlTeach sequence***

ADMISSION TO TEACHER EDUCATION

□ Complete an online application through the Student Services tab in your Owl Express account.

□ Apply during the appropriate dates for that year/term. s

□ Completed at least 45 semester hours.

□ Complete EDSM 1101,1102 & 2010 with a 'C' or better, a satisfactory field experience evaluation, and recommendation from the EDUC 2010 instructor.

□ Achieved a 3.00 KSU adjusted GPA for guaranteed admission, but a 2.75 for consideration on a case-by-case basis.

□ Register with the Georgia Professional Standards Commission to obtain a MyPSC account and PSC id #.

□ Pass or exempt (STAT 1000 or ACT 43) the GACE Program Admissions Tests in Reading, Writing, and Math.

For details visit: http://bagwell.kennesaw.edu/centers/ess/ess-resources/ess-forms