

Fall Semester

Major Title: Bachelor of Education in Teacher Education (Physics -Mathematics) Major Code: TEPM Level: underGraduate Number Of Credits: 99 Date: 11-01-2024

**Bachelor of Education in Teacher Education (Physics - Mathematics) (TEPM)** 

First Year Fall Semester							
PHYS210	L		PHYS161 - MATH161 -				
	Mechanics	3	PHYS160 - MATH160 -				
CCCIDOO	lahua di sati an ba Canana bana		ENGL051				
CSCI200	Introduction to Computers	3	ENGL051				
CULT200	Introduction to Arab - Islamic Civilization	3	FNCL1F1				
ENGL201	Composition and Research Skills	3	ENGL151				
MATH225	Linear Algebra with Applications	3	MATH160 - ENGL051 - MATH161				
Total		15					
Spring Sen	nester						
Code	Title	Credits	Prerequisites	Corequisites			
CSCI250	Introduction to Programming	3	CSCI200	ENGL101 - CSCI250L			
MATH210	Calculus II	3	MATH161 - MATH160				
MATH260L	Discrete Mathematics Lab	1	MATH225	MATH260			
CSCI250L	Introduction to Programming Lab	1	CSCI200	ENGL101 - CSCI250			
EDUC221	Introduction to Educational Psychology	3	ENGL151	ENGL201			
EDIT250	Educational Technology for Teachers	3	CSCI200				
MATH260	Discrete Mathematics	3	MATH225	MATH260L			
Total		17		•			
	0	1.57					
Fall Semes		econd Ye	ear				
	ter			Coreguisites			
Fall Semes Code PHYS280	ter Title	Credits	Prerequisites	Corequisites			
<b>Code</b> PHYS280	ter Title Electricity and Magnetism	Credits 3	Prerequisites PHYS250	Corequisites			
Code PHYS280 MATH220	ter Title Electricity and Magnetism Calculus III	Credits 3 3	Prerequisites PHYS250 MATH210	Corequisites			
Code PHYS280 MATH220 EDUC281	ter Title Electricity and Magnetism Calculus III Learning & Developmental Theories	Credits 3 3	Prerequisites PHYS250 MATH210 EDUC221	Corequisites			
Code PHYS280 MATH220 EDUC281	ter Title Electricity and Magnetism Calculus III	Credits 3 3	Prerequisites PHYS250 MATH210	Corequisites			
Code PHYS280 MATH220 EDUC281	Title Electricity and Magnetism Calculus III Learning & Developmental Theories Introduction to Math and General	Credits 3 3	Prerequisites PHYS250 MATH210 EDUC221	Corequisites			
PHYS280 MATH220 EDUC281 EDUC328 ENGL251	Title Electricity and Magnetism Calculus III Learning & Developmental Theories Introduction to Math and General Sciences Curriculum	Credits 3 3 3 3	Prerequisites PHYS250 MATH210 EDUC221 ENGL251	Corequisites  MATH225			
PHYS280 MATH220 EDUC281 EDUC328 ENGL251 MATH270	Title Electricity and Magnetism Calculus III Learning & Developmental Theories Introduction to Math and General Sciences Curriculum Communication Skills	<b>Credits</b> 3 3 3 3 3	Prerequisites PHYS250 MATH210 EDUC221 ENGL251 ENGL201				
PHYS280 MATH220 EDUC281 EDUC328 ENGL251 MATH270 Total	Title Electricity and Magnetism Calculus III Learning & Developmental Theories Introduction to Math and General Sciences Curriculum Communication Skills Ordinary Differential Equations	Credits 3 3 3 3 3 3	Prerequisites PHYS250 MATH210 EDUC221 ENGL251 ENGL201				
Code PHYS280 MATH220 EDUC281 EDUC328 ENGL251 MATH270 Total Spring Sen	Title Electricity and Magnetism Calculus III Learning & Developmental Theories Introduction to Math and General Sciences Curriculum Communication Skills Ordinary Differential Equations	Credits 3 3 3 3 3 1 3	Prerequisites PHYS250 MATH210 EDUC221 ENGL251 ENGL201				
Code PHYS280 MATH220 EDUC281 EDUC328 ENGL251 MATH270 Total Spring Sen Code	Title Electricity and Magnetism Calculus III Learning & Developmental Theories Introduction to Math and General Sciences Curriculum Communication Skills Ordinary Differential Equations	Credits 3 3 3 3 3 1 3	Prerequisites PHYS250 MATH210 EDUC221 ENGL251 ENGL201 MATH210	MATH225			
Code PHYS280 MATH220 EDUC281 EDUC328 ENGL251 MATH270 Total Spring Sen Code MATH305 EDUC346	Title Electricity and Magnetism Calculus III Learning & Developmental Theories Introduction to Math and General Sciences Curriculum Communication Skills Ordinary Differential Equations  nester Title Programming Languages for Scientist Introduction to Classroom Management	Credits 3 3 3 3 3 18 Credits	Prerequisites PHYS250 MATH210 EDUC221 ENGL251 ENGL201 MATH210 Prerequisites	MATH225			
Code PHYS280 MATH220 EDUC281 EDUC328 ENGL251 MATH270 Total Spring Sen Code MATH305 EDUC346	Title  Electricity and Magnetism  Calculus III  Learning & Developmental Theories  Introduction to Math and General Sciences Curriculum  Communication Skills  Ordinary Differential Equations  nester  Title  Programming Languages for Scientist	Credits 3 3 3 3 3 18 Credits 3	Prerequisites PHYS250 MATH210 EDUC221 ENGL251 ENGL201 MATH210  Prerequisites MATH220	MATH225			
PHYS280 MATH220 EDUC281 EDUC328 ENGL251 MATH270 Total Spring Sen Code MATH305 EDUC346 EDUC423	Title  Electricity and Magnetism  Calculus III  Learning & Developmental Theories Introduction to Math and General Sciences Curriculum  Communication Skills  Ordinary Differential Equations  nester  Title  Programming Languages for Scientist Introduction to Classroom Management Teaching Mathematics and Sciences Probability & Statistics for Scientists &	Credits 3 3 3 3 3 18 Credits 3 3	Prerequisites PHYS250 MATH210 EDUC221 ENGL251 ENGL201 MATH210  Prerequisites MATH220 ENGL201	MATH225			
Code PHYS280 MATH220 EDUC281 EDUC328 ENGL251 MATH270 Total Spring Sen Code MATH305 EDUC346 EDUC423 MATH310	Title  Electricity and Magnetism  Calculus III  Learning & Developmental Theories Introduction to Math and General Sciences Curriculum  Communication Skills  Ordinary Differential Equations  mester  Title  Programming Languages for Scientist Introduction to Classroom Management Teaching Mathematics and Sciences  Probability & Statistics for Scientists & Engineers	Credits 3 3 3 3 3 18 Credits 3 3	Prerequisites PHYS250 MATH210 EDUC221 ENGL251 ENGL201 MATH210  Prerequisites MATH220 ENGL201 EDUC281 MATH210 - ENGL201	MATH225			
Code PHYS280 MATH220 EDUC281 EDUC328 ENGL251 MATH270 Total Spring Sen Code MATH305 EDUC346 EDUC423 MATH310 PHYS250	Title  Electricity and Magnetism  Calculus III  Learning & Developmental Theories Introduction to Math and General Sciences Curriculum  Communication Skills  Ordinary Differential Equations  mester  Title  Programming Languages for Scientist Introduction to Classroom Management Teaching Mathematics and Sciences Probability & Statistics for Scientists & Engineers Thermodynamic and Waves	Credits 3 3 3 3 3 18 Credits 3 3 3 3 3 3 3	Prerequisites PHYS250 MATH210 EDUC221 ENGL251 ENGL201 MATH210  Prerequisites MATH220 ENGL201 EDUC281	MATH225			
Code PHYS280 MATH220 EDUC281 EDUC328 ENGL251 MATH270 Total Spring Sen Code MATH305 EDUC346 EDUC423 MATH310 PHYS250	Title  Electricity and Magnetism  Calculus III  Learning & Developmental Theories Introduction to Math and General Sciences Curriculum  Communication Skills  Ordinary Differential Equations  mester  Title  Programming Languages for Scientist Introduction to Classroom Management Teaching Mathematics and Sciences  Probability & Statistics for Scientists & Engineers	Credits 3 3 3 3 3 18 Credits 3 3	Prerequisites PHYS250 MATH210 EDUC221 ENGL251 ENGL201 MATH210  Prerequisites MATH220 ENGL201 EDUC281 MATH210 - ENGL201	MATH225			

**Third Year** 

Code	Title	Cradita	Prerequisites	Corequisites				
PHYS340	Modern Physics	3	PHYS250	Corequisites				
	Teaching Practicum I	3	EDUC346					
LDOCTTO	Elective	3	LD0C5+0	+				
EDUC405	Methods of Teaching & Testing	3	ENGL201 - EDUC281					
	Statistical Research in Education	3	EDUC281					
	Introduction to Real Analysis	3	MATH270 - MATH220					
Total	,	18		<u>'</u>				
Spring Ser	nester							
Code	Title	Credits	Prerequisites	Corequisites				
	Elective	3						
EDUC411	Introduction to the Philosophy of Education	3	EDUC201 - ENGL201					
MATH492	Mathematical Seminar	1						
EDUC490	Teaching Practicum II	3	EDUC440					
	Elective	3						
Total		13						
	Major Elective Courses							
Code	Title	Credits	Prerequisites	Corequisites				
	Foundation of Education	3	ENGL151					
	Teaching Arts & Crafts	3	ENGL151					
EDUC261	Music Methods for Home Class Teachers	3	ENGL201					
EDUC305	Educational Theories in Guidance and Counseling	3	EDUC221					
EDUC375	Introduction to Special Education	3	EDUC281					
EDUC390	Introducing the Montessori Approach to Early Years Practices	3						
EDUC421	Teaching Mathematics for Elementary Teachers	3						
EDUC460	Role of Play in Child Development	3	EDUC281					
LANG230	Sign Language	3						