

2009-2010

ASSOCIATE OF SCIENCE
Field of Study in Engineering

STUDENT NAME _____ SS# _____
 ADDRESS _____ CITY, STATE, & ZIP CODE _____
 TELEPHONE (DAY) _____ EVE _____ ENROLLMENT DATE _____

PLACEMENT TESTING:

Alternative Exam:	Read	Writing	Math	*TSI COMPLETE/EXEMPT/WAIVED DATE: _____
Accuplacer/ASSET/COMPASS/THEA	_____	_____	_____	
ACT	_____	_____	_____	
SAT	_____	_____	_____	

*Texas Success Initiative Rules

DEVELOPMENTAL COURSES (enter grade) _____ Orin 101 - College Success

Reading: _____ None _____ READ 70 _____ READ 80 _____ READ 90 _____ Non Course Remediation

Writing: _____ None _____ ENGL 71 _____ ENGL 81 _____ ENGL 91 _____ Non Course Remediation

Math: _____ None _____ MATH 80 _____ MATH 85 _____ MATH 90 _____ Non Course Remediation

Major Courses			SCH	COLLEGE	SEM/YR	GRADE	COMMENTS
FIRST YEAR - FALL SEMESTER							
HIST	1301	United States History I or HIST 2327	3				
ENGL	1301	Composition	3				
COSC	1336	Fundamentals of Programming I	3				
MATH	2412	Precalculus Algebra & Trigonometry*	4				
ENGR	1101	Introduction to Engineering	1				
FIRST YEAR - SPRING SEMESTER							
ENGL	1302	Composition II - Rhetoric	3				
		Visual & Performing Arts Elect.-Core Curriculum	3				
MATH	2413	Calculus I	4				
ENGR	2430	Digital Systems Engineering I or CHEM 1411	4				
ENGR	1204	Engineering Graphics	2				
FIRST YEAR - SUMMER							
HIST	1302	United States History II or HIST 2328	3				
PHYS	2425	University Physics I	4				
SECOND YEAR - FALL SEMESTER							
		Speech Elective- Core Curriculum	3				
GOVT	2301	American Government I	3				
ENGR	2301	Statics	3				
MATH	2414	Calculus II	4				
		Humanities Elective - Core Curriculum	3				
SECOND YEAR - SPRING SEMESTER							
GOVT	2302	American Government II	3				
ENGR	2302	Dynamics	3				
		Social & Behavioral Science Elective-Core Curriculum	3				
PHYS	2426	University Physics II	4				
MATH	2415	Calculus III (Optional/Recommended)	4				
SECOND YEAR - SUMMER SEMESTER							
MATH	2420	Differential Equations (Optional/Recommended)**	4				

*Check catalog for course pre-requisites.
 **Check with transferring institution for transferability of this course.
 It is recommended that students take ECON 2301-Principles of Economics I- to fulfill the Social and Behavioral Component of the Core Curriculum.

STUDENT'S SIGNATURE _____ Date _____ FACULTY/ADVISOR'S SIGNATURE _____ DATE _____

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PRE-REQUISITES:

- HIST 1301 UNITED STATES HISTORY I**
Prerequisite: A passing score of 78+ on the Reading ACCUPLACER Exam or equivalent; or completion of READ 0090 with a grade of "C" or better.
- HIST 2327 MEXICAN-AMERICAN HISTORY II**
*Prerequisite: A passing score of 78+ on the Reading ACCUPLACER Exam or equivalent; or completion of READ 0090 with a grade of "C" or better.
(May substitute for HIST 1301.)*
- ENGL 1301 COMPOSITION**
*Prerequisite: A score of 60+/E-6, E-7, E-8 or 80+/E-5 on the ACCUPLACER Exam for Writing, equivalent placement score, or completion of ENGL 0091 with a grade of "C" or better; **and** a score of 61 on the ACCUPLACER Exam for Reading, the completion of READ 0080 or equivalent.*
- COSC 1336 PROGRAMMING FUNDAMENTALS I**
*Prerequisite: Concurrent enrollment in MATH 0090 or completion of equivalent.
Recommended: MATH 1414 with a grade of "C" or better.*
- MATH 2412 PRECALCULUS ALGEBRA AND TRIGONOMETRY**
Prerequisite: MATH 1414 with a grade of "C" or better.
- ENGR 1101 INTRODUCTION TO ENGINEERING**
Prerequisite: None. Recommended: MATH 1414.
- ENGL 1302 COMPOSITION II - RHETORIC**
Prerequisite: A grade of "C" or higher in ENGL 1301.
- MATH 2413 CALCULUS I**
Prerequisite: MATH 2412 with a grade of "C" or better.
- ENGR 2430 DIGITAL SYSTEMS ENGINEERING I**
Prerequisite: None. Recommended: MATH 1414.
- CHEM 1411 GENERAL CHEMISTRY I**
Prerequisite: A passing score of 78+ on the Reading ACCUPLACER Exam or equivalent, or completion of READ 0090 with a grade of "C" or better; and a score of 95+ on the Elementary Algebra ACCUPLACER Exam or equivalent, or completion of MATH 0090 with a grade of "C" or better.
- ENGR 1204 ENGINEERING GRAPHICS**
Prerequisite: COSC 1301 with a grade of "C" or better.
- HIST 1302 UNITED STATES HISTORY II**
Prerequisite: A passing score of 78+ on the Reading ACCUPLACER Exam or equivalent; or completion of READ 0090 with a grade of "C" or better.
- HIST 2328 MEXICAN-AMERICAN HISTORY II**
*Prerequisite: A passing score of 78+ on the Reading ACCUPLACER Exam or equivalent; or completion of READ 0090 with a grade of "C" or better.
(May substitute for HIST 1302.)*
- PHYS 2425 UNIVERSITY PHYSICS I**
Prerequisite: MATH 2413 with a grade of "C" or better.
- GOVT 2301 AMERICAN GOVERNMENT I**
Prerequisite: A passing score of 78+ on the Reading ACCUPLACER Exam or equivalent; or completion of READ 0090 with a grade of "C" or better.
- ENGR 2301 STATICS**
Prerequisite: PHYS 2425 and MATH 2413 with a grade of "C" or better and completion of or concurrent enrollment in MATH 2414, or permission from the instructor.
- MATH 2414 CALCULUS II**
Prerequisite: MATH 2413 with a grade of "C" or better.
- GOVT 2302 AMERICAN GOVERNMENT II**
*Prerequisite: A passing score of 78+ on the Reading ACCUPLACER Exam or equivalent; or completion of READ 90 with a grade of "C" or better.
Recommended: Completion of GOVT 2301.*
- ENGR 2302 DYNAMICS**
Prerequisite: ENGR 2301 and MATH 2414 with a grade of "C" or better or permission from the instructor.

- PHYS 2426 UNIVERSITY PHYSICS II**
Prerequisite: PHYS 2425 with a grade of "C" or better.
- MATH 2415 CALCULUS III (Optional/Recommended)**
Prerequisite: MATH 2414 with a grade of "C" or better.
- MATH 2420 DIFFERENTIAL EQUATIONS (Optional/Recommended)**
Prerequisite: MATH 2414 with a grade of "C" or better.

VISUAL & PERFORMING ARTS ELECTIVE - 3 CREDITS (Depending on the course, check the catalog for pre-requisites.)

SPEECH ELECTIVE - 3 CREDITS (Depending on the course, check the catalog for pre-requisites.)

HUMANITIES ELECTIVE - 3 CREDITS (Depending on the course, check the catalog for pre-requisites.)

SOCIAL / BEHAVIORAL SCIENCES ELECTIVE - 3 CREDITS (Depending on the course, check the catalog for pre-requisites.) It is recommended that students take ECON 2301-Principles of Economics I to fulfill this requirement.