

Associate of Science in ENGINEERING Credit Worksheet

Name: _____

Date: _____

GENERAL EDUCATION (54 credits)**BASIC LITERACY (6)**

COMM 1260 Oral Communication (3; F/Sp) _____

*†ENGL 1220 Principles of College Writing II (3; F/Sp) _____

ARTS & HUMANITIES (9 credits)

POLS 2720 American Government (3, S) _____

§HUMA 1450 World Civilizations I (3; F) _____

*and****One of the following (3):***

HUMA 1460 World Civilizations II (3; Sp) _____

*ENGL 3220 World Literature (3; Sp) _____

MUSI 3690 Music in World Cultures (3; F/Sp) _____

HUMA 2440 Fine Arts in Western Culture (3; Sp) _____

SCIENCES & SOCIAL SCIENCES (19 credits)***Sciences (15)***

*CHEM 1510 Chemistry I (4; F) _____

*PHYS 2510 University Physics I (4; Sp) _____

*PHYS 2520 University Physics II (4; F) _____

*BIOL 3510 Environmental Science (3; Sp) _____

Social Sciences (4)

PHED 1100 Fitness and Wellness (1; F/Sp) _____

*and****One of the following (3):***

*ANTH 3110 Cultural Anthropology (3; F) _____

BUSS 1950 Introduction to Economics (3; F/Sp) _____

*LING 4330 Communicating Cross-Culturally (3; F/Sp) _____

PSYC 1600 Intro to Psychology (3; F/Sp) _____

RELI 3200 Religions of the World (3; Sp) _____

SOCI 1800 Intro to Sociology (3; Sp) _____

MATHEMATICS (11)

*MATH 2430 Calculus I (4; F) _____

*MATH 2530 Calculus II (4; Sp) _____

*MATH 3250 Linear Algebra (3; F) _____

BUSINESS/ECONOMICS (3)

*BUSS 2930 Microeconomics (3; Sp) _____

*(Prereq waived)***BIBLICAL STUDIES/THEOLOGY (6 credits)**

BIBL 1300 Lit of the Old Testament (3; F/Sp) _____

BIBL 1310 Lit of the New Testament (3; F/Sp) _____

MAJOR REQUIREMENTS (31-37)**ENGINEERING (GENERAL) (19)**

CIST 2830 Comp Program/Algorithms (4; Sp) _____

ENGR 1000 Intro to Engineering (3; F) _____

ENGR 1040 Engineering Graphics & CAD I (2) _____

ENGR 2150 Statics (3) _____

*ENGR 2510 Linear Circuits I (4) _____

*MATH 3930 Differential Equations (3, Sp) _____

*Choose one of the following Specializations***Mechanical Engineering (12)**

*MATH 2630 Calculus III (3; F) _____

ENGR 1050 Graphics & CAD II (2) _____

*ENGR 2600 Princ of Materials Science (4) _____

ENGR 2400 Mat & Proc in Manufacturing (3) _____

Electrical Engineering (14)

*MATH 2630 Calculus III (3; F) _____

*ENGR 2520 Linear Circuits II (4) _____

ENGR 2370 Logic Design (4) _____

ENGR 3000 Embedded Systems (3) _____

Computer Engineering (18)

*MATH 2030 Discrete Mathematics (3) _____

*ENGR 2520 Linear Circuits II (4) _____

ENGR 2370 Logic Design (4) _____

ENGR 3000 Embedded Systems (3) _____

*CIST 2840 Comp Prog/Algorithms II (4) _____

ELECTIVES 0-6 (Must total 90-92 credits for program)

(Suggested courses CHEM-1520, BUSS-2940, LING-4330 (in GE), ENGL-3360, or any other ENGR course.)

TOTAL PROGRAM

General Education 54

Engineering 31-37

Electives 0-6

TOTAL 90-92