

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, Sp) _____

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

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

HUMA 1460 World Civilizations II (3) _____

*§ENGL 3220 World Literature (3; OF, Sp) _____

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

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

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

*CHEM 1510 Chemistry I (4) _____

*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) _____

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

*§ANTH 3110 Cultural Anthropology (3; F) _____

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

*§COMM 4330 Communicating Cross-Culturally (3; F,Sp)** _____

PSYC 1600 Intro to Psychology (3) _____

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

SOCIO 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; F,Sp)

*BUSS 2930 MicroEconomics (3; F,Sp) - prereq waived _____

BIBLICAL STUDIES/THEOLOGY (6 credits)

BIBL 1300 Literature of the Old Testament (3; F,Sp) _____

BIBL 1310 Literature of the New Testament (3; F,Sp) _____

MAJOR REQUIREMENTS (32-34)**ENGINEERING (GENERAL) (20)**

ENGR 1830 Comp Program/Algorithms I (4,Sp) _____

ENGR 1000 Intro to Engineering (3,F) _____

ENGR 1060 Comp Aided Design & Modeling (3) _____

ENGR 2150 Statics (3) _____

*ENGR 2510 Linear Circuits I (4) _____

*MATH 3930 Differential Equations (3,Sp) _____

*Choose one of the following Concentrations:***Mechanical Engineering (12)**

*MATH 2630 Calculus III (3,F) _____

ENGR 2910 Sophomore Project (2) _____

*ENGR 2400 Princ of Materials Science (4) _____

ENGR 2600 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 (14)

*MATH 2620 Discrete Mathematics (3) _____

ENGR 2370 Logic Design (4) _____

ENGR 3000 Embedded Systems (3) _____

*ENGR 2840 Comp Program/Algorithms II (4) _____

ELECTIVES (2-4)

Suggested courses: CHEM 1520, BUSS 2940,

COMM 4330, ENGL 3360, or any ENGR course _____

TOTAL PROGRAM

General Education 54

Engineering 32-34

Electives 2-4

TOTAL 90**Course has prerequisites; consult course descriptions in catalog*

Simpson University reserves the right to modify program requirements at any time.

Official evaluations of credits are done by the Registrar's Office. Revised 1/28/2023