Associate of Science in ENGINEERING Credit Worksheet

Name: _____ Date: _____

GENERAL EDUCATION (56 credits)

BASIC LITERACY (8)

GATE 1000 University, Vocation & Wellness (2; F) _____
or GATE 2000 University...(1; F,Sp - Transfers) _____
COMM 1260 Oral Communication (3; F,Sp) _____
*†ENGL 1220 Princ. 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; Sp) _____
*§ENGL 3220 World Literature (3; OF,Sp) _____
*§MUSI 3690 Music in World Cultures (3; F) _____
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 & Wellness (1; F,Sp) _____
and
One of the following (3):
*§ANTH 3110 Cultural Anthropology (3; F, Sp) _____
BUSS 1950 Intro. to Economics (3; F,Sp) _____
*§COMM 4330 Comm. Cross-Culturally (3; F,Sp)** _____
PSYC 1600 Intro. to Psychology (3) _____
§RELI 3200 Religions of the World (3; Sp) _____
SOCI 1800 Intro. to Sociology (3; Sp) _____

MATHEMATICS (11)

*MATH 2430 Calculus I (4; Sp) _____
*MATH 2530 Calculus II (4; F) _____
*MATH 3250 Linear Algebra (3; Sp) _____

BUSINESS/Economics (3; F,Sp)

*BUSS 2920/2930 Macro/Micro Economics (3; F,Sp) _____
- Pre-req (BUSS 1950) waived

**Course has prerequisites; consult course...*
...description in the Catalog.

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 (32-34)

ENGINEERING (GENERAL) (20)

ENGR 1830 Comp Program/Algo... I (4, Sp) _____
ENGR 1000 Intro. to Engineering (3,F) _____
ENGR 1060 Comp Aided Design & Modeling (3) _____
ENGR 2150 Statics (3; Sp) _____
*ENGR 2510 Linear Circuits I (4; F) _____
*MATH 3930 Differential Equations (3; OSp) _____

Choose one of the following Concentrations:

Mechanical Engineering (12)

*MATH 2630 Calculus III (3, Sp) _____
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; F) _____
ENGR 2370 Logic Design (4; F) _____
ENGR 3000 Embedded Systems (3; F) _____

Computer Engineering (14)

*MATH 2620 Discrete Mathematics (3; F) _____
ENGR 2370 Logic Design (4; F) _____
ENGR 3000 Embedded Systems (3; F) _____
*ENGR 2840 Comp Program/Algo... II (4; F) _____

UNRESTRICTED ELECTIVES (2-4)

Suggested courses: CHEM 1520, BUSS 2940, COMM 4330, ENGL 3360, or any ENGR _____

TOTAL PROGRAM

General Education	56
Engineering	32-34
Electives	2-4
TOTAL	92