

ELECTIVES

Associate of Applied Business and Associate of Applied Science

Most Associate of Applied Business (AAB) and Associate of Applied Science (AAS) degree programs include electives. Electives allow students to choose from a list of selected courses within a specific discipline. For example, if a program includes a Science Elective, students can meet that requirement by completing any of the science courses listed here as Science Electives. This flexibility allows students to select classes that best meet their personal needs.

Within the degree programs are six types of electives: Humanities, Natural Science, Social Science, Mathematics, Manufacturing Engineering Technical and Computer Application electives.

Humanities Electives

Any of the following courses can be used to fulfill the Humanities elective requirement:

ART 1010	World Art History I
ART 1030	World Art History II
ART 1050	Art Appreciation
ENG 1850	Intro to Literature
ENG 2630	Non-Western Literature
ENG 2640	British Literature
ENG 2660	American Literature
HUM 1010	Critical Thinking
HUM 1050	Introduction to Film
HUM 1410	Introduction to Theatre
HUM 2010	Introduction to Humanities
HUM 2550	Shakespeare on Film
MUS 1010	Music Appreciation
MUS 1020	Music Fundamentals
PHL 1010	Introduction to Ethics

Natural Science Electives

Any of the following courses can be used to fulfill the Science elective requirement:

BIO 1070	Environmental Principles
BIO 1080	Environmental Resources
BIO 1095	Environmental Science Lab
BIO 2010	Biology I
BIO 2015	Biology Laboratory I
BIO 2020	Biology II
BIO 2025	Biology Laboratory II
BIO 2100	Nutrition
CHM 1010	Intro to Chemistry
CHM 1015	Intro to Chemistry Lab
CHM 1020	Intro to Organic & Biochemistry
CHM 1025	Intro to Organic & Biochemistry Lab
CHM 1610	General Chemistry I
CHM 1615	General Chemistry Lab I
CHM 1620	General Chemistry II
CHM 1625	General Chemistry Lab II
PHY 1070	Survey of Physics
PHY 1075	Survey of Physics Lab
PHY 1310	General Physics I
PHY 1315	General Physics I Lab
PHY 1320	General Physics II
PHY 1325	General Physics II Lab

Social Science Electives

Any of the following courses can be used to fulfill the Social Science elective requirement.

ECO 2010	Macroeconomics
ECO 2020	Microeconomics
EDU 1100	Educational Psychology
GEO 1110	World Geography
HIS 1010	Western Civilization I
HIS 1020	Western Civilization II
HIS 1050	American History I
HIS 1060	American History II
HIS 1100	Ancient Asian Civilization
HIS 1120	Modern Asian Civilization
PLS 1000	Intro to American Government
PLS 1100	State and Local Government
PSY 1210	General Psychology
PSY 1360	Life Span Development
PSY 2210	Abnormal Psychology
PSY 2400	Child Psychology
PSY 2410	Adolescent Psychology
SOC 2010	Fundamentals of Sociology
SOC 2120	Cultural Awareness
SOC 2150	Introduction to Women's Studies
SOC 2300	The Family
SOC 2400	Sociology of Deviant Groups
SOC 2500	Cultural Anthropology

Mathematics Electives

If a Mathematics elective is listed for a program, the possible choices are also listed. Mathematics electives are program specific so no general list can be given here. The college recommends that students take the highest level mathematics that they are capable of completing.

Mathematics Course Substitution Policy

Students taking a higher level mathematics course than that required by their technology will automatically receive credit for a lower level mathematics course except in the case of Business Mathematics. Students placing into a high level mathematics may take the proficiency test for Business Mathematics after reviewing the curriculum.

If taking
MTH 2310, College Algebra:

Automatic substitution for:
MTH 1310 Intermediate Algebra

If taking
MTH 2320, College Trig:

Automatic substitution for:
MTH 1320 Intermediate Trig

If taking
MTH 2350, Precalculus:

Automatic substitution for:
MTH 1310 Intermediate Algebra and MTH 1320 Intermediate Trig OR

MTH 2310 College Algebra, and MTH 2320 College Trig OR

MTH 1150 Mathematics for the Trades

If taking
MTH 2510, Calculus I:

Automatic substitution for:
MTH 2310 College Algebra, and MTH 2320 College Trig, OR

MTH 2350 Precalculus OR

MTH 1310 Intermediate Algebra and MTH 1320 Intermediate Trig OR

MTH 1150 Mathematics for the Trades

Engineering Technical Electives

Listed are some suggested technical electives for Manufacturing Engineering. Other technical courses may be approved on an individual basis. Students should meet with their academic advisor for scheduling assistance. Refer to catalog descriptions for course prerequisites.

EET 2400	Motor Controls
EET 2440	Programmable Controls I
EET 2830	Instrumentation and Process Controls I
MET 1230	Advanced Machining Processes
MET 1321	Introduction to CNC, and MET 1322, Intro to CNC Lab
PET 2100	Plastic Processes
REF 1100	Refrigeration I
REF 1250	Refrigeration II
ROB 1010	Introduction to Robotics
ROB 1020	Robotic Operations

Welding Technical Electives

WET 2435	GMAW and GTAW Welding Theory
WET 2445	GMAW Welding Lab

Computer Application Electives

Combinations of these one-credit-hour courses can be used to meet this elective requirement.

CIT 2230	Advanced Database
CIT 2240	Advanced Spreadsheets
CIT 2310	Advanced Word Processing
CIT 2330	Advanced Presentation Graphics