Transfer Programs

Baccalaureate/Transfer Programs

Baccalaureate/Transfer programs provide an opportunity for students to complete their first two years of study leading to a baccalaureate degree. The third and fourth years of study will be completed at a four-year college or university to which students transfer after completion of the Associate in Arts (A.A.) or Associate in Science (A.S.) at Kishwaukee College.

The A.A. or A.S. degree includes the Illinois Articulation Initiative (IAI) General Education requirements that transfer to a participating four-year college or university in Illinois and satisfy the general education requirements of the four-year institution. Transferring with an A.A. or A.S. degree and their general education requirements completed allows students to concentrate on their "major" coursework at the four-year institution.

Kishwaukee College students pursuing their A.A. or A.S. degrees do not typically take their "major" courses until after transferring to a four-year institution. However, students enrolled at Kishwaukee College should meet with a counselor for assistance in selecting the appropriate coursework at Kishwaukee College for their intended major.

Transferring

Each of the keys to success in transferring to a four-year college or university rests on the ability of students to decide early in their college career on the institution they plan to attend after Kishwaukee College. Students may contact institutions in which they are interested for catalogs and admissions information. The Academic Advisors/Counselors are available by appointment to assist students in planning programs and selecting courses, as well as helping to overcome potential obstacles with the transfer process. The Academic Advisors/Counselors will assist in the formulation of an educational plan incorporating Kishwaukee College degree requirements as well as the transfer requirements of the school a student plans to attend.

Transfer guides to Ilinois state schools are located on the Academic Advising webpage under the transfer planning link. The website www.itransfer.org can also assist in transfer planning.

Students who entered Kishwaukee College prior to summer 1998 and who intend to transfer to Chicago State University, Eastern Illinois University, Governor's State University, Illinois State University, Northern Illinois University, University of Illinois at Springfield, Southern Illinois University, or Western Illinois University are strongly encouraged to pursue Associate in Arts or Associate in Science degree completion under the Illinois Community College Board's "Model A.A. or A.S. Degree" requirements.

Earning an A.A. or A.S. degree from Kishwaukee under the requirements of the ICCB's "Model A.A. or A.S. Degrees" or as part of the "Compact Agreement" between Illinois Public Community Colleges and those above listed Illinois universities, will usually guarantee a student junior standing and as having met all lower level general education requirements for the bachelor's degree. Students who do not complete a transfer degree from Kishwaukee College may lose credit in transfer.

Students planning to attend a college or university not listed above should check that school's requirements. Additionally, any students planning to transfer, but who do not intend to pursue an A.A. or A.S. degree through Kishwaukee College, should plan their coursework by checking the specific requirements of the college to which they intend to transfer.

For students who entered Kishwaukee College summer of 1998 or after, it is recommended that they complete the A.A. or A.S. degree which includes the Illinois Articulation Initiative's (IAI) General Education Core Curriculum requirements. Students who complete the IAI General Education Core Curriculum requirements with or without completion of the A.A. or A.S. degree may receive credit for completion of the receiving institution's general education requirement at Illinois colleges and universities participating in the IAI General Education Core Curriculum.

Students taking courses to meet their major requirements under the approved IAI Majors courses should check with their transferring institution for how these credits will be evaluated and, if in Illinois, whether their receiving institution is participating in their particular IAI Major.

A great variety of differences exists in the baccalaureate degree requirements among four-year colleges and universities. In addition, the requirements for satisfaction of major requirements vary significantly among the four-year institutions. For these reasons, the importance of planning course selection with an Academic Advisor/Counselor or advisor cannot be over emphasized.

Transfer of Credit to Other Institutions

Earning an Associate in Arts (A.A.) or an Associate in Science (A.S.) degree from Kishwaukee College under the requirements of the Illinois Community College Board's "Model A.A. or A.S. Degrees" or as part of the "Compact Agreement" between Illinois Public Community Colleges and most Illinois state universities, will guarantee a transfer student as having met all lower level general education requirements for the bachelor's degree at these Illinois universities. Acceptance of college level coursework in transfer without completion of an A.A. or A.S. degree depends upon the transfer credit policy of the institution to which a student transfers.

Students who complete the Illinois Articulation Initiative's (IAI) approved General Education Core Curriculum requirements with or without completion of the A.A. or A.S. degrees will receive credit for completion of the receiving institution's general education requirement at Illinois colleges and universities participating in the IAI General Education Core Curriculum. Students taking courses to meet their major requirements under the approved IAI Majors courses should check with their receiving institution for how these credits will be evaluated and, if in Illinois, whether their receiving institution is participating in their particular IAI Major.

Completion of the Associate in Fine Arts degree does not guarantee admission to the baccalaureate program nor fulfill the requirements of the IAI General Education Core Curriculum. Therefore, students will need to fulfill the general education requirements of the institution to which they transfer.

Completion of the Associate in Engineering Science does not fulfill the requirements of the IAI General Education Core Curriculum. Students will need to complete the general education requirements of the institution to which they transfer. Since engineering course selections vary by specialty and school, students should select their courses in consultation with an engineering advisor at Kishwaukee College.

The career program degrees (A.A.S.) at Kishwaukee College are not intended as transferable degrees and are not a part of any "Compact Agreement" or "Model Degrees." However, credits earned in these degree programs are accepted in whole or in part at some senior institutions.

Students concerned about the transferability of their credits to any institution should schedule an appointment to see an Academic Advisor/Counselor in Student Services.

Students are strongly encouraged to contact the school of their choice, especially when transferring to an Illinois private institution or any out-of-state institution.

POST-SECONDARY ARTICULATION AND TRANSFER AGREEMENTS	
For articulation or transfer agreement information, contact the Student Services Office at 815-825-9375 to make an appointment with an Academic Advisor/Counselor.	
INSTITUTION	**DEGREES**
Arizona State University	Guaranteed program for admission (GPA)
Chamberlain College of Nursing	Chamberlain College of Nursing
Eastern Illinois University	BA-Journalism
Franklin University	BS-General Studies
Illinois Law Enforcement Training and Standards Board	Law Enforcement
Iowa Wesleyan University*	3+1 agreement Business Administration; 3+1 agreement Criminal Justice; 3+1 agreement Human Services
Judson College	BA-Management & Leadership (Criminal Justice; Information Systems; Human Services & Resource Management)
Northern Illinois University	Accounting; B.S. Industrial Technology; Dual Enrollment; Engineering; Honors Program; Reverse Transfer; RN to BSN Completion
Olivet Nazarene University	BS-Nursing; MS-Nursing
Palmer College of Chiropractic-Davenport	BS-Chiropractic
Rasmussen College	BA
Rockford University	BA; BS; BFA; BSN; Reverse Transfer
Roosevelt University	Dual Degree Program
Saint Anthony College of Nursing	BSN
Southern Illinois University-Carbondale	BS-Agricultural Systems Technology Management; BS-Automotive Technology; BS-Electronic Systems Technologies BS-Information Systems Technologies;
University of Illinois-UC	BS-Mechanical Engineering Transfer Admissions Agreement, College of Agriculture – Consumer and Environmental Sciences
University of Iowa	BA/BS
University of Phoenix	BS-Management
University of Wisconsin-Oshkosh	BLS-Bachelor of Liberal Studies*
Western Illinois University	BS-Criminal Justice; General Studies Honors Program

*Pending

Transfer Degree Requirements

Associate in Arts Degree Requirements

Curriculum No. 100

General education provides students the knowledge and abilities necessary for future growth as lifelong learners. The abilities of a generally educated person include, but are not limited to, reading, writing, listening, speaking, observing, calculating, and using technology.

General education attempts to develop the following: general knowledge, intellectual concepts, a system of personal values/responsibility, higher level skills in communication/quantification/thinking, and understanding and appreciation of diverse cultures/environments.

Institutional Student Learning Objectives are divided into four broad categories: Critical Competency, Creative Competency, Communicative Competency, and Cultural Competency. A complete list of the Student Learning Outcomes are available from the Dean of Arts/Communications/Social Sciences, the Dean of Math/Science/Business, or the Vice President of Instruction.

Kishwaukee College is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the completed General Education Core Curriculum between participating institutions. Completion of the General Education Core Curriculum at any participating college or university in Illinois assures transferring students that general education requirements for an associate or bachelor's degree have been satisfied. A receiving institution may require admitted transfer students to complete an institution-wide and/or mission-related graduation requirement beyond the scope of the Illinois General Education Core Curriculum.

These requirements are effective for students entering Kishwaukee College or any participating Illinois college or university in summer 1998 or later. Students who entered Kishwaukee College prior to summer 1998 may choose to complete the requirements listed below or choose to follow the requirements listed in a prior catalog according to the choice of catalog policy.

A minimum of 64 credit hours are required for the Associate in Arts degree or the Associate in Science degree. In fulfilling the required hours for the degree, no more than four hours of physical education activity courses may be used to fulfill the minimum hours required. Within the 64 hours, the following must be completed:

I. GENERAL EDUCATION

COMMUNICATIONS – 9 CREDIT HOURS

Students must receive grades of "C" or higher in ENG 103 and 104.

COM 100	Oral Communication	(3)
ENG 103	Composition I	(3)
■ ENG 104	Composition II	(3)

MATHEMATICS – 3 CREDIT HOURS

MAT 101	Topics in Mathematics	(3)
MAT 202	Mathematics for Elementary Teachers II	(3)

(Both MAT 201 and 202 must be satisfactorily completed to fulfill the three-hour mathematics requirement. This two-course sequence fulfills the general education requirement only for students seeking state certification as elementary teachers.)

MAT 208	Introductory Statistics	(4)
MAT 210	Finite Mathematics	(3)
MAT 211	Calculus for Business and Social Sciences	(4)
MAT 220	Business Statistics	(4)
MAT 229	Calculus and Analytic Geometry I	(5)
MAT 230	Calculus and Analytic Geometry II	(5)
MAT 231	Calculus and Analytic Geometry III	(5)

Attention Transfer Students:

The recommended courses listed should be reviewed with an Academic Advisor/Counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the A.A. or A.S. degree must be satisfied.

Graduates earning the Associate in Arts meet the requirement for coursework on improving human relations as defined in Public Act 87-581, revised PA 90-0655. Courses meeting this requirement are designated with a ■

SCIENCE – 7 CREDIT HOURS

Must include a course in life sciences and a course in physical science, and a lab corresponding to one of these courses.

*Denotes approved laboratory science course.

LIFE SCIENCES – 3 TO 4 CREDIT HOURS

■ BIO 101	Environmental Biology	(3)
BIO 102*	Environmental Biology Laboratory	(1)
■ BIO 103	General Biology	(3)
BIO 105*	General Biology Laboratory	(1)
BIO 109	Human Biology	(3)
BIO 110*	Human Biology Laboratory	(1)
BIO 201*	Biology Principles I	(4)

PHYSICAL SCIENCES – 3 TO 4 CREDIT HOURS

CHE 110	Basic Chemistry	(3)
CHE 111*	Basic Chemistry Laboratory	(1)
CHE 210*	General Chemistry I	(5)
PHS 118*	Physical Science Lab	(1)
PHS 119	Introduction to Physical Science	(3)
PHS 120	Introduction to Physical Geology	(3)
PHS 130	Introduction to Astronomy	(3)
PHY 150	Introductory Physics	(3)
PHY 151*	Introductory Physics Laboratory	(1)
PHY 250*	General Physics I	(4)
PHY 263	Fundamentals of Physics I	(4)

SOCIAL SCIENCE – 9 CREDIT HOURS

Must include courses in at least two disciplines

■ ANT 120	Introduction to Anthropology	(3)
ANT 203	Introduction to Archaeology	(3)
ANT 220	Introduction to Cultural Anthropology	(3)
ANT 240	Physical Anthropology	(3)
ECO 160	Introduction to Economics	(3)
ECO 260	Principles of Macroeconomics	(3)
■ ECO 261	Principles of Microeconomics	(3)
GEO 202	World Regional Geography	(3)
PLS 140	Introduction to American Government and Politics	(3)
■ PLS 210	International Relations	(3)
PLS 240	State and Local Government	(3)
■ PSY 102	Introduction to Psychology	(3)
■ PSY 225	Psychology of Childhood and Adolescence	(3)
PSY 280	Life-Span Human Development	(3)
PSY 286	Social Psychology	(3)
■ SOC 170	Introduction to Sociology	(3)
■ SOC 200	Race and Ethnic Relations	(3)
SOC 219	Marriage and Family	(3)
■ SOC 283	Social Problems	(3)

HUMANITIES AND FINE ARTS – 9 CREDIT HOURS

Must include one course in humanities, one course in fine arts, and one course in either humanities or fine arts.

HUMANITIES – 3 TO 6 CREDIT HOURS

ENG 130	Introduction to Literature	(3)
ENG 205	Introduction to Shakespeare	(3)
■ ENG 206	Introduction to Fiction	(3)
ENG 212	American Literature: 1865 to Present	(3)
ENG 215	Children's Literature	(3)
ENG 216	Introduction to Poetry	(3)
ENG 217	Introduction to Drama	(3)
ENG 270	The Bible as Literature	(3)
■ ENG 283	Images of Women	(3)
ENG 286**	Literature and Film	(3)
ENG 292	Non-Western Literature in English **OR**	(3)
FRN 202	Intermediate French II **OR**	(3)
GER 202	Intermediate German II **OR**	(3)
HIS 144	Western Civilization to 1715	(3)
HIS 145	Western Civilization since 1715	(3)
HIS 172	World History to 1500	(3)
HIS 220	United States History to 1877	(3)
HIS 222	United States History Since1877	(3)
HIS 249	History of Africa	(3)
HUM 119**	Humanities I	(3)
HUM 129**	Humanities II	(3)
HUM 217	World Mythology	(3)
PHL 101	Introduction to Philosophy	(3)
PHL 103	Introduction to Logic	(3)
PHL 198	World Religions	(3)
PHL 200	Ethics	(3)
SPA 202	Intermediate Spanish II	(3)

FINE ARTS – 3-6 CREDIT HOURS

■ ART 282	Introduction to Visual Arts	(3)
ART 291	History of Art I Foundations	(3)
ART 292	History of Art II Foundations	(3)
ART 294	History of Photography	(3)
ENG 286**	Literature and Film	(3)
HUM 119**	Humanities I	(3)
HUM 129**	Humanities II	(3)
HUM 150	Introduction to Film Appreciation	(3)
■ MUS 130	Survey of American Music	(3)
MUS 220	Music Appreciation	(3)
■ MUS 222	Exploring Non-Western World Culture Through Music	(3)
THE 203	Introduction to Theatre	(3)

****ENG 286, HUM 119 or HUM 129 can fulfill one humanities/fine arts area but not both.**

II. Student Success

Students transferring from other institutions with 30 or more credit hours will be exempt from the Student Success requirement. This requirement will be waived for students pursuing a second degree at Kishwaukee College.

One of the following:

AGT 100	Orientation to Agricultural Careers	(1)
CSD 100	The College Experience	(2)
CSD 101	Career Planning	(2)
ENG 111	College Study Skills	(2)

III. Open Electives

Courses used to meet the open elective requirement may be selected from 100/200 level courses in fine arts, humanities, mathematics, physical science, life science, social sciences, or other undergraduate-level credit courses. Courses should be chosen according to the student's intended major at the bachelor's degree level. Students should consult with a Kishwaukee College faculty advisor, academic advisor/counselor, or the transfer institution to verify that selected courses will meet the requirement of the transfer institution. Educational Guarantees will be voided if this is not done.

A maximum of 4 credit hours of physical education activity credit can be applied to meeting this requirement.

IV. Additional Requirements

A. Meet the College's academic residency requirement: a minimum of 15 credit hours in 100/200 level course work must be completed at Kishwaukee College for each degree earned.

B. Fulfill the cumulative grade point average requirement of 2.000 ("C") in all 100/200 level courses attempted at Kishwaukee College.

C. Resolve any incomplete grades in Kishwaukee College course work.

D. Apply for graduation through Kishwaukee College Self-Service located in myKC.

Associate in Science Degree Requirements

Curriculum No. 120

General education provides students the knowledge and abilities necessary for future growth as lifelong learners. The abilities of a generally educated person include, but are not limited to, reading, writing, listening, speaking, observing, calculating, and using technology.

The goals of general education aim toward development of general knowledge and intellectual concepts; a system of personal values; higher level skills in communication, quantification, and thinking; and understanding and appreciation of diverse cultures and environments; and personal responsibility.

Institutional Student Learning Objectives are divided into four broad categories: Critical Competency, Creative Competency, Communicative Competency, and Cultural Competency. A complete list of the Student Learning Outcomes are available from the Dean of Arts/Communications/Social Sciences, the Dean of Math/Science/Business, or the Vice President of Instruction.

Completion of this Associate in Science curriculum does not fulfill the requirements of the Illinois Articulation Initiative General Education Core Curriculum (GECC). Students will need to complete the general education requirements of the institution to which they transfer. Post transfer students can complete three (3) credits of Social Science and three (3) credits of Humanities and Fine Arts at the Illinois 4-year public institution to complete the GECC requirement. **It is strongly recommended you consult with your Kishwaukee College counselor regarding the GECC requirements to transfer.**

These requirements are effective for students entering Kishwaukee College or any participating Illinois college or university in summer 2016 or later.

A minimum of 64 credit hours are required for the Associate in Science degree. In fulfilling the required hours for the degree, no more than four hours of physical education activity courses may be used to fulfill the minimum hours required. Within the 64 hours, the following must be completed:

I. GENERAL EDUCATION

COMMUNICATIONS – 9 CREDIT HOURS

Students must receive grades of "C" or higher in ENG 103 and 104.

COM 100	Oral Communication	(3)
ENG 103	Composition I	(3)
■ ENG 104	Composition II	(3)

MATHEMATICS – 6-9 CREDIT HOURS

Students pursuing a mathematics pathway should take more mathematic credits.

Must choose 3-6 credits from these courses:

MAT 101	Topics in Mathematics	(3)
MAT 202	Mathematics for Elementary Teachers II	(3)
MAT 208	Introductory Statistics	(4)
MAT 210	Finite Mathematics	(3)
MAT 211	Calculus for Business and Social Sciences	(4)
MAT 220	Business Statistics	(4)
MAT 229	Calculus and Analytic Geometry I	(5)
MAT 230	Calculus and Analytic Geometry II	(5)
MAT 231	Calculus and Analytic Geometry III	(5)

An additional 3-6 credits may be selected from 100/200 level courses in mathematics.

Attention Transfer Students:

The recommended courses listed should be reviewed with an Academic Advisor/Counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the A.A. or A.S. degree must be satisfied.

Graduates earning the Associate in Science meet the requirement for coursework on improving human relations as defined in Public Act 87-581, revised PA 90-0655. Courses meeting this requirement are designated with a ■

SCIENCE – 10-11 CREDIT HOURS

Students pursuing a science pathway should take more science credits.

Must choose 7-8 credits from these courses.

Must include a course in life sciences and a course in physical science, and a lab corresponding to one of these courses.

LIFE SCIENCES

■ BIO 101	Environmental Biology	(3)
BIO 102*	Environmental Biology Laboratory	(1)
■ BIO 103	General Biology	(3)
BIO 105*	General Biology Laboratory	(1)
BIO 109	Human Biology	(3)
BIO 110*	Human Biology Laboratory	(1)
BIO 201*	Biology Principles I	(4)

PHYSICAL SCIENCES

CHE 110	Basic Chemistry	(3)
CHE 111*	Basic Chemistry Laboratory	(1)
CHE 210*	General Chemistry I	(5)
PHS 118*	Physical Science Lab	(1)
PHS 119	Introduction to Physical Science	(3)
PHS 130	Introduction to Astronomy	(3)
PHS 120	Introduction to Physical Geology	(3)
PHY 150	Introductory Physics	(3)
PHY 151*	Introductory Physics Laboratory	(1)
PHY 250*	General Physics I	(4)
PHY 263	Fundamentals of Physics I	(4)

An additional 2-4 credits may be selected from 100/200 level courses in life sciences or physical sciences.

*Denotes laboratory course.

SOCIAL SCIENCE – 6 CREDIT HOURS

Must include courses in at least two disciplines

■ ANT 120	Introduction to Anthropology	(3)
ANT 203	Introduction to Archaeology	(3)
ANT 220	Introduction to Cultural Anthropology	(3)
ANT 240	Physical Anthropology	(3)
ECO 160	Introduction to Economics	(3)
ECO 260	Principles of Macroeconomics	(3)
■ ECO 261	Principles of Microeconomics	(3)
GEO 202	World Regional Geography	(3)
PLS 140	Introduction to American Government and Politics	(3)
■ PLS 210	International Relations	(3)
PLS 240	State and Local Government	(3)
■ PSY 102	Introduction to Psychology	(3)
■ PSY 225	Psychology of Childhood and Adolescence	(3)
PSY 280	Life-Span Human Development	(3)
PSY 286	Social Psychology	(3)
■ SOC 170	Introduction to Sociology	(3)
■ SOC 200	Race and Ethnic Relations	(3)
SOC 219	Marriage and Family	(3)
■ SOC 283	Social Problems	(3)

HUMANITIES AND FINE ARTS – 6 CREDIT HOURS

Must include one course in humanities, one course in fine arts.

HUMANITIES

ENG 130	Introduction to Literature	(3)
ENG 205	Introduction to Shakespeare	(3)
■ ENG 206	Introduction to Fiction	(3)
ENG 212	American Literature: 1865 to Present	(3)
ENG 215	Children's Literature	(3)
ENG 216	Introduction to Poetry	(3)
ENG 217	Introduction to Drama	(3)
ENG 270	The Bible as Literature	(3)
■ ENG 283	Images of Women	(3)
ENG 286**	Literature and Film	(3)
FRN 202	Intermediate French II **OR**	(3)
GER 202	Intermediate German II **OR**	(3)
HIS 144	Western Civilization to 1715	(3)
HIS 145	Western Civilization since 1715	(3)
HIS 172	World History to 1500	(3)
HIS 220	United States History to 1877	(3)
HIS 222	United States History Since1877	(3)
HIS 249	History of Africa	(3)
HUM 119**	Humanities I	(3)
HUM 129**	Humanities II	(3)
HUM 217	World Mythology	(3)
PHL 101	Introduction to Philosophy	(3)
PHL 103	Introduction to Logic	(3)
PHL 198	World Religions	(3)
PHL 200	Ethics	(3)
SPA 202	Intermediate Spanish II	(3)

FINE ARTS

■ ART 282	Introduction to Visual Arts	(3)
ART 291	History of Art I Foundations	(3)
ART 292	History of Art II Foundations	(3)
ART 294	History of Photography	(3)
ENG 286**	Literature and Film	(3)
HUM 119**	Humanities I	(3)
HUM 129**	Humanities II	(3)
HUM 150	Introduction to Film Appreciation	(3)
■ MUS 130	Survey of American Music	(3)
MUS 220	Music Appreciation	(3)
■ MUS 222	Exploring Non-Western World Culture Through Music	(3)
THE 203	Introduction to Theatre	(3)

****ENG 286, HUM 119 or HUM 129 can fulfill one humanities/fine arts area but not both.**

II. Student Success

Students transferring from other institutions with 30 or more credit hours will be exempt from the Student Success requirement. This requirement will be waived for students pursuing a second degree at Kishwaukee College.

One of the following:

AGT 100	Orientation to Agricultural Careers	(1)
CSD 100	The College Experience	(2)
CSD 101	Career Planning	(2)
ENG 111	College Study Skills	(2)

III. Open Electives

Courses used to meet the open elective requirement may be selected from 100/200 level courses in fine arts, humanities, mathematics, physical science, life science, social sciences, or other undergraduate-level credit courses. Courses should be chosen according to the student's intended major at the bachelor's degree level. Students should consult with a Kishwaukee College faculty advisor, academic advisor/counselor, or the transfer institution to verify that selected courses will meet the requirement of the transfer institution. Educational Guarantees will be voided if this is not done.

A maximum of 4 credit hours of physical education activity credit can be applied to meeting this requirement.

IV. Additional Requirements

A. Meet the College's academic residency requirement: a minimum of 15 credit hours in 100/200 level course work must be completed at Kishwaukee College for each degree earned.

B. Fulfill the cumulative grade point average requirement of a grade point average of 2.000 ("C") in all 100/200 level courses attempted at Kishwaukee College.

C. Resolve any incomplete grades in Kishwaukee College course work.

D. Apply for graduation through Kishwaukee College Self-Service located in myKC.

Associate in Engineering Science Degree Requirements

Curriculum No. 140

To transfer as a junior into a baccalaureate engineering program, students must complete a minimum of 64 credit hours from the list below, including prerequisite courses. Since admission is highly competitive, completion of the courses listed below does not guarantee admission to engineering programs at four-year institutions. Usually, a grade of "C" or better is required for a course to fulfill a degree requirement. Students should decide on their engineering specialty and their transfer school no later than the beginning of the sophomore year. Since engineering course selections vary by specialty and school, students should select their courses in consultation with an engineering advisor at Kishwaukee College.

Completion of this engineering curriculum does not fulfill the requirements of the Illinois Articulation Initiative General Education Core Curriculum. Students will need to complete the general education requirements of the institution to which they transfer.

A minimum of 64 credit hours are required for the Associate in Engineering Science degree. Within the 64 hours, the following must be completed:

I. GENERAL EDUCATION

COMMUNICATIONS – 6 CREDIT HOURS

Students must receive grades of "C" or higher in ENG 103 and 104.

COM 100	Oral Communication	(3)
ENG 103	Composition I	(3)
■ ENG 104	Composition II	(3)

SOCIAL/BEHAVIORAL SCIENCES – 6 CREDIT HOURS

A two semester sequence in the same discipline is recommended.

■ ANT 120	Introduction to Anthropology	(3)
ANT 203	Introduction to Archaeology	(3)
ANT 220	Introduction to Cultural Anthropology	(3)
ANT 240	Physical Anthropology	(3)
ECO 160	Introduction to Economics	(3)
ECO 260	Principles of Macroeconomics	(3)
■ ECO 261*	Principles of Microeconomics	(3)
GEO 202	World Regional Geography	(3)
PLS 140	Introduction to American Government	(3)
■ PLS 210	International Relations	(3)
PLS 240	State and Local Government	(3)
■ PSY 102	Introduction to Psychology	(3)
■ PSY 225	Psychology of Childhood and Adolescence	(3)
PSY 280	Life-Span Development	(3)
PSY 286	Social Psychology	(3)
■ SOC 170	Introduction to Sociology	(3)
■ SOC 200	Race and Ethnic Relations	(3)
SOC 219	Marriage and Family	(3)
■ SOC 283	Social Problems	(3)

***ECO 261 can fulfill specialty course elective or general education but not both.**

HUMANITIES/FINE ARTS – 6 CREDIT HOURS

A two semester sequence in the same discipline is recommended.

HUMANITIES

ENG 130	Introduction to Literature	(3)
ENG 205	Introduction to Shakespeare	(3)
■ ENG 206	Introduction to Fiction	(3)
ENG 212	American Literature: 1865 to Present	(3)
ENG 216	Introduction to Poetry	(3)
ENG 217	Introduction to Drama	(3)
■ ENG 283	Images of Women	(3)
ENG 286	Literature and Film	(3)
FRN 202	Intermediate French II	(3)
GER 202	Intermediate German II	(3)
HIS 144	Western Civilization to 1715	(3)
HIS 145	Western Civilization since 1715	(3)
HIS 172	World History to 1500	(3)
HIS 220	United States History to 1877	(3)
HIS 222	United States History Since 1877	(3)
HIS 249	History of Africa	(3)
HUM 119	Humanities I	(3)
HUM 129	Humanities II	(3)
HUM 150	Introduction to Film Appreciation	(3)
PHL 101	Introduction to Philosophy	(3)
PHL 103	Introduction to Logic	(3)
PHL 198	World Religions	(3)
PHL 200	Ethics	(3)
SPA 202	Intermediate Spanish II	(3)

Graduates earning the Associate in Engineering Science meet the requirement for course work on improving human relations as defined in Public Act 87-581, revised PA 90-0655. Courses meeting this requirement are designated with a ■

FINE ARTS

ART 282	Introduction to Visual Arts	(3)
ART 291	History of Art I Foundations	(3)
ART 292	History of Art II Foundations	(3)
ART 294	History of Photography	(3)
■ MUS 130	Survey of American Music	(3)
MUS 220	Music Appreciation	(3)
■ MUS 222	Exploring Non-Western Culture Through Music	(3)
THE 203	Introduction to Theatre	(3)

MATHEMATICS – 5 CREDIT HOURS

MAT 229	Calculus and Analytic Geometry I	(5)

PHYSICAL SCIENCE – 5 CREDIT HOURS

CHE 210	General Chemistry I	(5)

II. MAJOR RECOMMENDATION

23 CREDIT HOURS

CIS 150	C++ Programming I	(3)
MAT 230	Calculus and Analytic Geometry II	(5)
MAT 231	Calculus and Analytic Geometry III	(5)
MAT 260	Differential Equations	(3)
PHY 263	Fundamentals of Physics I	(4)
PHY 273	Fundamentals of Physics II	(4)

III. ENGINEERING SPECIALTY COURSES

13 CREDIT HOURS

Kishwaukee College recommends 13 hours of the following engineering specialty courses if a student is interested in:

CHEMICAL ENGINEERING

CHE 211	General Chemistry II	(5)
CHE 270	Organic Chemistry I	(3)
CHE 271	Organic Chemistry II	(3)
CHE 272	Organic Chemistry Lab I	(2)
CHE 273	Organic Chemistry Lab II	(2)

CIVIL ENGINEERING

EGR 101	Introduction to Engineering	(1)
EGR 177	Engineering Design Graphics	(3)
EGR 270	Statics	(3)
EGR 272	Dynamics	(3)
EGR 280	Mechanics of Materials	(3)

COMPUTER ENGINEERING

EGR 101	Introduction to Engineering	(1)
EGR 177	Engineering Design Graphics	(3)
EGR 270	Statics	(3)
EGR 272	Dynamics	(3)
EGR 290	Circuit Analysis	(3)
EGR 291	Circuit Analysis Lab	(1)
CIS 250	C++ Programming II	(3)

ELECTRICAL ENGINEERING

EGR 101	Introduction to Engineering	(1)
EGR 177	Engineering Design Graphics	(3)
EGR 270	Statics	(3)
EGR 272	Dynamics	(3)
EGR 290	Circuit Analysis	(3)
EGR 291	Circuit Analysis Lab	(1)
CIS 250	C++ Programming II	(3)

INDUSTRIAL ENGINEERING

EGR 101	Introduction to Engineering	(1)
EGR 177	Engineering Design Graphics	(3)
EGR 270	Statics	(3)
EGR 272	Dynamics	(3)
EGR 280	Mechanics of Materials	(3)
EGR 290	Circuit Analysis	(3)
EGR 291	Circuit Analysis Lab	(1)

MECHANICAL ENGINEERING

EGR 101	Introduction to Engineering	(1)
EGR 177	Engineering Design Graphics	(3)
EGR 270	Statics	(3)
EGR 272	Dynamics	(3)
EGR 280	Mechanics of Materials	(3)
EGR 290	Circuit Analysis	(3)
EGR 291	Circuit Analysis Lab	(1)

IV. ADDITIONAL REQUIREMENTS

A. Meet the College's academic residency requirement: a minimum of 15 credit hours in 100/200 level course work must be completed at Kishwaukee College for each degree earned.

B. Fulfill the cumulative grade point average requirement of a grade point average of 2.000 in all applicable courses attempted at Kishwaukee College.

C. Resolve any incomplete grades in Kishwaukee College course work.

D. Apply for graduation through Kishwaukee College Self-Service located in myKC.

Associate in Fine Arts Degree Requirements (Fine Art Emphasis)

Curriculum No. 130

To transfer as a junior into a B.F.A. program with a major in Art, students should follow the requirements described below in consultation with an art department advisor. Completion of the A.F.A. degree, however, does not fulfill the requirements of the IAI General Education Core Curriculum, nor does it fulfill the requirements for the A.A. or the A.S. degree.

Therefore, students will need to fulfill the general education requirements of the institution to which they transfer.

Transfer admission is competitive at many four-year schools. Completion of the A.F.A. alone does not guarantee admission to the baccalaureate program or to upper-division or specialty art courses. Students may be required to demonstrate skill level through a portfolio review at the institution to which they transfer for admission to a B.F.A. program, for registration in advanced studio courses, and/or for scholarship consideration. Some colleges and universities may require competency in a foreign language.

A minimum of 64 credit hours are required for the Associate in Fine Arts Degree (Fine Arts Emphasis). Within the 64 hours, the following must be completed.

I. GENERAL EDUCATION

31 CREDIT HOURS

COMMUNICATIONS – 9 CREDIT HOURS

Students must receive grades of "C" or higher in ENG 103 and 104.

COM 100	Oral Communication	(3)
ENG 103	Composition I	(3)
■ ENG 104	Composition II	(3)

MATHEMATICS – 3 CREDIT HOURS

MAT 101	Topics in Mathematics	(3)
MAT 208	Introductory Statistics	(4)
MAT 210	Finite Mathematics	(3)
MAT 211	Calculus for Business and Social Sciences	(4)
MAT 220	Business Statistics	(4)
MAT 229	Calculus and Analytic Geometry I	(5)
MAT 230	Calculus and Analytic Geometry II	(5)
MAT 231	Calculus and Analytic Geometry III	(5)

SCIENCE – 7 CREDIT HOURS

Must include a course in life sciences and a course in physical science, and a lab corresponding to one of these courses.

*Denotes approved laboratory science course.

LIFE SCIENCES – 3 TO 4 CREDIT HOURS

■ BIO 101	Environmental Biology	(3)
BIO 102*	Environmental Biology Laboratory	(1)
■ BIO 103	General Biology	(3)
BIO 105*	General Biology Laboratory	(1)
BIO 109	Human Biology	(3)
BIO 110*	Human Biology Laboratory	(1)

PHYSICAL SCIENCES – 3 TO 4 CREDIT HOURS

CHE 110	Basic Chemistry	(3)
CHE 111*	Basic Chemistry Laboratory	(1)
CHE 210*	General Chemistry I	(5)
PHS 118*	Physical Science Lab	(1)
PHS 119	Introduction to Physical Science	(3)
PHS 120	Introduction to Physical Geology	(3)
PHS 130	Introduction to Astronomy	(3)
PHY 150	Introductory Physics	(3)
PHY 151*	Introductory Physics Laboratory	(1)
PHY 250*	General Physics I	(4)
PHY 263	Fundamentals of Physics I*	(4)

SOCIAL SCIENCE – 6 CREDIT HOURS

Must include courses in at least two disciplines

■ ANT 120	Introduction to Anthropology	(3)
ANT 203	Introduction to Archaeology	(3)
ANT 220	Introduction to Cultural Anthropology	(3)
ECO 160	Introduction to Economics	(3)
ECO 260	Principles of Macroeconomics	(3)
ECO 261	Principles of Microeconomics	(3)
GEO 202	World Regional Geography	(3)
PLS 140	Introduction to American Government and Politics	(3)
■ PLS 210	International Relations	(3)
PLS 240	State and Local Government	(3)
■ PSY 102	Introduction to Psychology	(3)
■ PSY 225	Psychology of Childhood and Adolescence	(3)
PSY 280	Life-Span Human Development	(3)
PSY 286	Social Psychology	(3)
■ SOC 170	Introduction to Sociology	(3)
■ SOC 200	Race and Ethnic Relations	(3)
SOC 219	Marriage and Family	(3)
■ SOC 283	Social Problems	(3)

Graduates earning the Associate in Fine Arts (Fine Arts Emphasis) meet the requirement for course work on improving human relations as defined in Public Act 87-581, revised PA 90-0655. Courses meeting this requirement are designated with a ■

HUMANITIES – 6 CREDIT HOURS

Must include courses in at least two disciplines

ENG 130	Introduction to Literature	(3)
ENG 205	Introduction to Shakespeare	(3)
■ ENG 206	Introduction to Fiction	(3)
ENG 212	American Literature: 1865 to Present	(3)
ENG 216	Introduction to Poetry	(3)
ENG 217	Introduction to Drama	(3)
ENG 283	Images of Women	(3)
ENG 286	Literature and Film	(3)
FRN 202	Intermediate French II	(3)
GER 202	Intermediate German II	(3)
HIS 144	Western Civilization to 1715	(3)
HIS 145	Western Civilization since 1715	(3)
HIS 172	World History to 1500	(3)
HIS 220	United States History to 1877	(3)
HIS 222	United States History Since 1877	(3)
HIS 249	History of Africa	(3)
HUM 119	Humanities I	(3)
HUM 129	Humanities II	(3)
PHL 101	Introduction to Philosophy	(3)
PHL 198	World Religions	(3)
PHL 200	Ethics	(3)
SPA 202	Intermediate Spanish II	(3)

II. REQUIRED ART COURSES

21 CREDIT HOURS

ART 100	Drawing I Foundations	(3)
ART 101	Drawing II Foundations	(3)
ART 200	Figure Drawing I	(3)
ART 211	2-D Design Foundations	(3)
ART 212	3-D Design Foundations	(3)
ART 291	History of Art I Foundations	(3)
ART 292	History of Art II Foundations	(3)

III. REQUIRED STUDIO ART

12 CREDIT HOURS

Select 9 hours from at least two media in consultation with Art Department Advisor.

ART 103	Digital Art	(3)
ART 167	Graphic Design I	(3)
ART 201	Figure Drawing II	(3)
ART 203	Digital Imaging	(3)
ART 204	Digital Illustration	(3)
ART 207	Video Art	(3)
ART 214	Intaglio Printmaking	(3)
ART 223	Photography I	(3)
ART 224	Photography II	(3)
ART 231	Sculpture I	(3)
ART 232	Sculpture II	(3)
ART 235	Metals/Jewelry I	(3)
ART 236	Metals/Jewelry II	(3)
ART 241	Ceramics I	(3)
ART 242	Ceramics II	(3)
ART 250	Relief Printing	(3)
ART 260	Painting I	(3)
ART 261	Painting II	(3)
ART 267	Graphic Design II	(3)

IV. ADDITIONAL REQUIREMENTS

A. Meet the College's academic residency requirement: a minimum of 15 credit hours in 100/200 level course work must be completed at Kishwaukee College for each degree earned.

B. Fulfill the cumulative grade point average requirement: a grade point average of 2.000 in all applicable courses attempted at Kishwaukee College.

C. Resolve any incomplete grades in Kishwaukee College course work.

D. Apply for graduation through Kishwaukee College Self-Service located in myKC.

Associate in Fine Arts Degree Requirements (Art Education Emphasis)

Curriculum No. 131

To teach in Illinois public schools, teachers must be certified by the State of Illinois. To transfer as a junior into an approved baccalaureate program in art education (K-12 or 6-12), students must complete a minimum of 60 credit hours, including the general education courses specified to meet teacher certification requirements and the art courses specified below.

Students will need to fulfill the general education and teacher certification requirements of the institution to which they transfer. Admission to teacher certification programs is competitive, with most institutions requiring a minimum grade point average of 2.5 (on a 4.0 scale). Students must also pass examinations in basic skills (reading, writing, grammar, and math). Kishwaukee College students are strongly encouraged to complete a degree that is designed for transfer. Courses should be selected in consultation with an art education advisor.

A minimum of 67 credit hours are required for the Associate in Fine Arts Degree (Art Education Emphasis). With the 67 hours, the following must be completed:

I. GENERAL EDUCATION

37 CREDIT HOURS

COMMUNICATIONS – 9 CREDIT HOURS

Students must receive grades of "C" or higher in ENG 103 and 104.

COM 100	Oral Communication	(3)
ENG 103	Composition I	(3)
■ ENG 104	Composition II	(3)

MATHEMATICS – 3 CREDIT HOURS

MAT 101	Topics in Mathematics	(3)
MAT 208	Introductory Statistics	(4)
MAT 210	Finite Mathematics	(3)
MAT 211	Calculus for Business and Social Sciences	(4)
MAT 220	Business Statistics	(4)
MAT 229	Calculus and Analytic Geometry I	(5)
MAT 230	Calculus and Analytic Geometry II	(5)
MAT 231	Calculus and Analytic Geometry III	(5)

SCIENCE – 7 CREDIT HOURS

Must include a course in life sciences and a course in physical science, and a lab corresponding to one of these courses.

*Denotes approved laboratory science course.

LIFE SCIENCES – 3 TO 4 CREDIT HOURS

■ BIO 101	Environmental Biology	(3)
BIO 102*	Environmental Biology Laboratory	(1)
■ BIO 103	General Biology	(3)
BIO 105*	General Biology Laboratory	(1)
BIO 109	Human Biology	(3)
BIO 110*	Human Biology Laboratory	(1)

PHYSICAL SCIENCES – 3 TO 4 CREDIT HOURS

CHE 110	Basic Chemistry	(3)
CHE 111*	Basic Chemistry Laboratory	(1)
CHE 210*	General Chemistry I	(5)
PHS 119	Introduction to Physical Science	(3)
PHS 120	Introduction to Physical Geology	(3)
PHS 130	Introduction to Astronomy	(3)
PHY 150	Introductory Physics	(3)
PHY 151*	Introductory Physics Laboratory	(1)
PHY 250*	General Physics I	(4)
PHY 263*	Fundamentals of Physics I	(4)

SOCIAL SCIENCE – 9 CREDIT HOURS

ANT 120	Introduction to Anthropology	(3)
PLS 140	Introduction to American Government and Politics	(3)
■ PSY 102	Introduction to Psychology	(3)

HUMANITIES AND FINE ARTS – 9 CREDIT HOURS

3 hours from:

MUS 222	Exploring Non-Western World Culture Through Music	(3)

6 hours from:

ENG 130	Introduction to Literature	(3)
ENG 205	Introduction to Shakespeare	(3)
■ ENG 206	Introduction to Fiction	(3)
ENG 212	American Literature: 1865 to Present	(3)
ENG 216	Introduction to Poetry	(3)
ENG 217	Introduction to Drama	(3)
■ ENG 283	Images of Women	(3)
ENG 286	Literature and Film	(3)

Graduates earning the Associate in Fine Arts (Art Education Emphasis) meet the requirement for course work on improving human relations as defined in Public Act 87-581, revised PA 90-0655. Courses meeting this requirement are designated with a ■

II. REQUIRED ART COURSES

21 CREDIT HOURS FROM THE FOLLOWING:

ART 100	Drawing I Foundations	(3)
ART 101	Drawing II Foundations	(3)
ART 200	Figure Drawing I	(3)
ART 211	2-D Design Foundations	(3)
ART 212	3-D Design Foundations	(3)
ART 291	History of Art I Foundations	(3)
ART 292	History of Art II Foundations	(3)

9 CREDIT HOURS FROM THE FOLLOWING:

ART 103	Digital Art	(3)
ART 167	Graphic Design I	(3)
ART 203	Digital Imaging	(3)
ART 204	Digital Illustration	(3)
ART 207	Video Art	(3)
ART 214	Intaglio Printmaking	(3)
ART 223	Photography I	(3)
ART 231	Sculpture I	(3)
ART 235	Metals/Jewelry I	(3)
ART 241	Ceramics I	(3)
ART 250	Relief Printing	(3)
ART 260	Painting I	(3)
ART 267	Graphic Design II	(3)

III. ADDITIONAL REQUIREMENTS

A. Meet the College's academic residency requirement: a minimum of 15 credit hours in 100/200 level course work must be completed at Kishwaukee College for each degree earned.

B. Fulfill the cumulative grade point average requirement: a grade point average of 2.000 in all applicable courses attempted at Kishwaukee College.

C. Resolve any incomplete grades in Kishwaukee College course work.

D. Apply for graduation through Kishwaukee College Self-Service located in myKC.

Associate in General Studies (Pending Approval)

Curriculum No. 350

The Associate in General Studies (AGS) Degree is an individualized degree. In partnership with an academic advisor/counselor, AGS allows students to design their own associate degree plan that may include both transfer and occupational courses. This degree has a minimum of 21 general education requirements, thus allowing considerable flexibility in designing and pursuing a course of study that meets individualized learning goals. All students considering an AGS must meet with an academic advisor/counselor to determine suitability. The AGS is not a transfer degree and may not transfer to senior institutions. The AGS is not designed for transfer to a four-year college or university. The general education requirements for the AGS may not fulfill the IAI (Illinois Articulation Initiative) General Education Core Curriculum guidelines. Some credits earned toward the AGS degree may transfer. Students should check with the receiving institution for specific transfer approval. Transfer options for the degree as a whole are limited.

COMMUNICATION (English and/or Communications)	(6)
SOCIAL SCIENCE	(3)
LIFE SCIENCE, PHYSICAL SCIENCE OR MATHEMATICS	(3)
FINE ARTS OR HUMANITIES	(3)
COURSE FROM ANY OF THE GENERAL EDUCATION AREAS	(3)
OCCUPATIONAL COURSE	(2)
ELECTIVES	(37)
	(60)

General Education Core Curriculum Credential

The General Education Core Curriculum (GECC) Credential is a set of core courses considered to be the foundation for a well-rounded education. It consists of a minimum of 37 credit hours from a set of courses from communications, mathematics, life and physical science, social sciences, and humanities and fine arts. Successful completion of the GECC Credential will provide students with a seamless transfer to any participating associate or bachelor's degree program. It is not a workforce certificate nor an industry-recognized credential.

The General Education Core Curriculum (GECC) is composed of all Illinois Articulation Initiative (IAI) approved general education courses. For specific course listings, see the listing of IAI General Education Core Curriculum courses. The IAI equivalent code is listed in the right-hand column. This list is periodically updated, but always check with an advisor for the most current information. Students are required to complete 37-41 credit hours in the areas of:

I. COMMUNICATION

9 CREDIT HOURS

Including a two-course sequence in writing and one course in oral communications.

ENG 103	Composition I	(3)	C1 900
ENG 104	Composition II	(3)	C1 901R
COM 100	Oral Communication	(3)	C2 900

II. HUMANITIES & FINE ARTS

9 CREDIT HOURS

Must include one course in humanities, one course in fine arts, and one in either humanities or fine arts.

Humanities

ENG 130	Introduction to Literature	(3)	H3 900
ENG 205	Introduction to Shakespeare	(3)	H3 905
ENG 206	Introduction to Fiction	(3)	H3 901
ENG 212	American Literature 1865 to Present	(3)	H3 915
ENG 215	Children's Literature	(2)	H3 918
ENG 216	Introduction to Poetry	(3)	H3 903
ENG 217	Introduction to Drama	(3)	H3 902
ENG 270	The Bible as Literature	(3)	H5 901
ENG 283	Images of Women	(3)	H3 911D
FRN 202	Intermediate French	(3)	H1 900
GER 202	Intermediate German	(3)	H1 900
HIS 144	Western Civilization to 1715	(3)	H2 901
HIS 145	Western Civilization since 1715	(3)	H2 902
HIS 172	World History to 1500	(3)	H2 906
HIS 220	United States History to 1877	(3)	H2 904
HIS 222	United States History Since 1877	(3)	H2 905

HIS 249	History of Africa	(3)	H2 903N
HUM 217	World Mythology	(3)	H9 901
PHL 101	Introduction to Philosophy	(3)	H4 900
PHL 103	Introduction to Logic	(3)	H4 906
PHL 198	World Religions	(3)	H5 904N
PHL 200	Ethics	(3)	H4 904
SPA 202	Intermediate Spanish II	(3)	H1 900

Humanities/Fine Arts

(These three courses can be either a humanities or Fine Arts)

ENG 286	Literature and Film	(3)	HF 908
HUM 119	Humanities: Historical Survey	(3)	HF 900
HUM 129	Humanities: Topical Survey	(3)	HF 901

Fine Arts

ART 282	Introduction to Visual Arts	(3)	F2 900
ART 291	History of Art I Foundations	(3)	F2 901
ART 292	History of Art II Foundations	(3)	F2 902
ART 294	History of Photography	(3)	F2 904
HUM 150	Introduction to Film appreciation	(3)	F2 908
MUS 130	Survey American Music	(3)	F1 904
MUS 220	Music Appreciation	(3)	F1 900
MUS 222	Exploring Non-Western World Culture	(3)	F1 903N
THE 203	Introduction to the Theatre	(3)	F1 907

III. MATHEMATICS

3-6 CREDIT HOURS

MAT 101	Topics in Mathematics	(3)	M1 901
MAT 202	Mathematics for Elementary Teachers II	(3)	M1 903
MAT 208	Introductory Statistics	(4)	M1 902
MAT 210	Finite Mathematics	(3)	M1 906
MAT 211	Calculus for Business and Social Sciences	(4)	M1 900-B
MAT 220	Business Statistics	(4)	M1 902 BUS 901
MAT 229	Calculus & Analytic Geometry I	(5)	M1 900-1 MTH 901
MAT 230	Calculus & Analytic Geometry II	(5)	M1 900-2 MTH 902
MAT 231	Calculus/Analytical Geometry III	(5)	M1 900-3 MTH 903

IV. PHYSICAL AND LIFE SCIENCES

7-8 CREDIT HOURS

Must include a course in life science and a course in physical science, and a lab corresponding to one of these courses.

Physical Science

CHE 110	Basic Chemistry	(3)	P1 902
CHE 111	Basic Chemistry Laboratory	(1)	P1 902L
CHE 150	Introductory Organic Chemistry	(3)	P1 904
CHE 151	Introductory Organic Chemistry Laboratory	(1)	P1 904L
CHE 210	General Chemistry I	(5)	P1 902L CHM 911
PHS 118	Physical Science Lab	(1)	P9 900L
PHS 119	Introduction Physical Science	(3)	P9 900
PHS 120	Introduction- Physical Geology	(3)	P1 907
PHS 130	Introduction to Astronomy	(3)	P1 906
PHY 150	Introductory Physics	(3)	P1 900
PHY 151	Introductory Physics Laboratory	(1)	P1 900L
PHY 250	General Physics I	(4)	P1 900L

Life Science

BIO 101	Environmental Biology	(3)	L1 905
BIO 102	Environmental Biology Laboratory	(1)	L1 905L
BIO 103	General Biology	(3)	L1 900
BIO 105	General Biology Laboratory	(1)	L1 900L
BIO 107	Animal Ecology	(4)	L1 902L
BIO 109	Human Biology	(3)	L1 904
BIO 110	Human Biology Laboratory	(1)	L1 904L
BIO 201	Biology Principles I	(4)	L 1910L BIO 910

V. SOCIAL AND BEHAVIORAL SCIENCES

9 CREDIT HOURS

Must include course in at least two disciplines.

ANT 120	Introduction to Anthropology	(3)	S1900N
ANT 203	Introduction to Archaeology	(3)	S1 903
ANT 220	Introduction to Cultural Anthropology	(3)	S1 901N
ANT 240	Physical Anthropology	(3)	S1 902
ECO 160	Introduction to Economics	(3)	S3 900
ECO 260	Principles of Macroeconomics	(3)	S3 901
ECO 261	Principles of Microeconomics	(3)	S3 902
GEO 202	World Regional Geography	(3)	S4 900N
PLS 140	Introduction to American Government/Politics	(3)	S5 900
PLS 210	International Relations	(3)	S5 904
PLS 240	State and Local Government	(3)	S5 902
PSY 102	Introduction to Psychology	(3)	S6 900
PSY 216	Abnormal Psychology	(3)	S6 905
PSY 225	Psychology of Childhood and Adolescence	(3)	S6 9003
PSY 280	Life-Span Human Development	(3)	S6 90
PSY 286	Social Psychology	(3)	S8 900 PSY 908
SOC 170	Introduction to Sociology	(3)	S7 900
SOC 200	Race and Ethnic Relations	(3)	S7 903D
SOC 219	Marriage and Family	(3)	S7 902
SOC 283	Social Problems	(3)	S7 901

Transfer Guarantee

Kishwaukee College is committed to facilitating articulation between the College and other higher education institutions. The College states that courses approved for transfer to any state or private college or university in Illinois that has voluntarily complied with the Illinois Articulation Agreement or affords compact benefits, will be honored either as program requirements or electives. If they are not, and all provisions of the Transfer Guarantee are followed, the College will refund all tuition and fees paid for such courses within 60 days.

1. Students must complete approved coursework toward an approved baccalaureate/transfer degree at Kishwaukee. Students who complete an approved baccalaureate/transfer degree at Kishwaukee as of December 1993 or after are eligible.
2. The student must earn at least a grade of "C" for the course(s) and comply with any sequencing or other special requirements.
3. The student must make a claim under this guarantee as stipulated herein within one year after completion of an approved baccalaureate/transfer degree or following an official evaluation of coursework by an institution recognized by this guarantee. A claim is filed by contacting the Vice President of Student Services in writing within 60 days after learning that course credit has been declined or refused. All copies of correspondence related to the transfer credit must accompany the notice.
4. The student must cooperate fully with Kishwaukee College in its efforts to have the credit transferred or accepted by the transfer institution, and must give any necessary consents or releases regarding student records.
5. Following the completion of the 15th hour and prior to registration for additional hours, the student must identify an intended four-year transfer college or university that affords compact benefits or follows the Illinois Articulation Agreement guidelines. The 15 hours of work must be taken from general education or open electives that are applicable to an approved baccalaureate/transfer degree.

   Note: An institution may award fewer credits for the course than Kishwaukee awards; this statement applies only when the transfer institution awards no credits.

These provisions do not assure the graduate that the letter grade earned at Kishwaukee College for the course will be considered by the transfer institution for determining the grade point average, honors, or other purposes, but only that the transfer institution will grant at least elective credit.

These provisions do not apply to Kishwaukee College courses not awarded credit by a senior institution as a result of the student exceeding the four-year school's maximum number of credit hours allowed in course transfer from a community college or exceeding the maximum allowable discipline hours of the senior institution such as physical education activity courses or other similar discipline limits to credit. Developmental courses at Kishwaukee College are not included as a part of these provisions.

These provisions make no representation regarding the graduate being admitted to a four-year college or university as each determines its own admission criteria.

The College's liability is limited to the compensation stated herein.

Assessment

Guiding Principles for Assessment of Student Learning Outcomes

Kishwaukee College is committed not only to providing quality, innovative, and affordable educational opportunities to our students, but also to measuring our success in providing those opportunities. To that end, the College endeavors to develop student outcome measures that are in line with the following basic principles:

- We affirm the importance of developing student learning outcomes that are derived from our mission statement: Kishwaukee College improves lives through quality, affordable education.
- We maintain that the outcomes developed should be applicable to all of the different constituencies of learners we serve, including those in transfer programs, career technology programs, adult education programs, developmental courses, and continuing education.
- We believe in the importance of measuring outcomes in both curricular programs and co-curricular programs and services such as athletics and student organizations.
- We affirm the importance of measuring outcomes at all levels (college level, program level, course level) and recognize that different measuring instruments may be appropriate at different levels.
- We maintain that the importance of outcomes measures is to be found in their invaluable role in the continuous improvement of the educational opportunities we offer at all levels.
- We believe that developing, measuring, and using student learning outcomes is a dynamic process, one that should be a regular part of what we do both in planning and delivering educational opportunities and demonstrating our accountability to our learners, our community, and our accreditors.

Institutional-Level Student Learning Outcomes

Kishwaukee College is "improving lives through educational offerings" for all learners who pass through our doors. To that end, we aim to enhance learners' lives by guiding them in the development of a set of four core competences that will enable them to fulfill their educational goals.

Critical competence: Learners will be able to understand, apply, and analyze concepts. Learners will develop the ability to organize their thinking about concepts according to the dictates of sound reasoning, as appropriate. Learners will demonstrate the capacity to formulate appropriate conclusions based on their reasoning.

Creative competence: Learners will exhibit the ability to recognize connections and transfer concepts between areas, as appropriate. Learners will demonstrate the ability to synthesize concepts and ideas. Learners will use innovative thinking and explore multiple perspectives in formulating solutions to problems encountered in different aspects of their experience.

Communicative competence: Learners will be able to formulate a central message and share it with others. Learners will demonstrate the ability to support that central message and present their discourse according to sound organizational principles. Learners will exhibit an appropriate command of the elements necessary for communicating that central message to others.

Cultural competence: Learners will recognize the various factors that shape individual and group identity, with an emphasis on the various components of culture. Learners will demonstrate the capacity to engage difference in various social settings.

Individual programs and courses will assess students using a variety of measures. Some include interviews, capstone experiences, course embedded measures, performance demonstrations, and portfolios.

Program Level Student Learning Outcomes

ISLO – Institutional Student Learning Outcomes
GE PSLO – General Education Program Student Learning Outcomes
AAS PSLO – Associate in Applied Science Program Student Learning Outcomes

Institutional Student Learning Outcomes	**Associate in Arts (A.A.) Associate in Science (A.S.) Associate in Engineering Science (A.E.S.) Associate in Fine Arts (A.F.A.) General Education Program Student Learning Outcomes**	**Associate in Applied Science (A.A.S.) Program Student Learning Outcomes**
ISLO 1 CRITICAL COMPETENCE	GE PSLO 1: Quantitative – Learners will use quantitative evidence to support arguments and clearly defend those arguments in a variety of formats. GE PSLO 2: Analytic – Learners will evaluate assumptions, limitations, context and evidence to draw logical conclusions.	AAS PSLO 1: Quantitative – Learners will use quantitative evidence to support arguments and clearly defend those arguments in a variety of formats. AAS PSLO 2: Analytic – Learners will evaluate assumptions, limitations, context and evidence to draw logical conclusions. AAS PSLO 3: Acquisition of Knowledge/Skills – Learners will utilize relevant sources of information to gain and demonstrate industry or occupational skills needed for success in the [program name] workplace.
ISLO 2 CREATIVE COMPETENCE	GE PSLO 3: Synthesis – Learners will connect experiences to deepen understanding of fields of study and to broaden their own points of view. GE PSLO 4: Innovation – Learners will create new knowledge or a new approach. GE PLSO — Adaptation – Learners will apply knowledge to solve problems or explore issues in different ways.	AAS PSLO 4: Synthesis – Learners will connect experiences to deepen understanding of [program name] fields of study and to broaden their own points of view. AAS PLSO 5: Adaptation – Learners will apply knowledge to solve problems or explore issues in different ways.
ISLO 3 COMMUNICATIVE COMPETENCE	GE PSLO 6: Written communication – Learners will develop and express ideas in writing in multiple contexts. GE PLSO 7: Oral communication – Learners will deliver a purposeful presentation.	AAS PSLO 6: Written communication – Learners will develop and express ideas in writing in multiple contexts. AAS PLSO 7: Oral communication – Learners will deliver a purposeful presentation.
ISLO 4 CULTURAL COMPETENCE	GE PLSO : Knowledge – Learners will demonstrate an awareness of cultural rules and biases. GE PSLO 9: Application – Learners will use course content to provide goods and services in diverse settings.	AAS PLSO 8: Knowledge – Learners will demonstrate an awareness of cultural rules and biases. AAS PSLO 9: Work Ethic – Learners will support a constructive workplace climate by understanding their individual contribution to the [program name] workplace, interacting positively with team members, and fostering an effective work environment.

Recommended Courses for Certain Transfer Degree Disciplines

Attention Transfer Students:

The recommended courses listed should be reviewed with an academic advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the A.A. or A.S. degree must be satisfied.

ACCOUNTING

Advisement Code No. 122

Check with the four-year college or university you plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Math, Science, Business Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with an academic advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

Recommended Courses:

Accounting/Business Core Courses

ACC 121	Financial Accounting	(4)
ACC 122	Managerial Accounting	(4)
BUS 256	Business Law	(3)

Computer Information Systems

CIS 123	Management Information Systems	(3)

Mathematics

MAT 211	Calculus for Business/Social Sciences	(4)
MAT 220	Business Statistics	(4)

Office Systems

OS 133	Spreadsheets/Excel	(3)

Social Sciences

ECO 260	Principles of Macroeconomics	(3)
ECO 261	Principles of Microeconomics	(3)
PSY 102	Introduction to Psychology	(3)

Other general education or major courses specific to the transfer institution.

AGRICULTURE

Advisement Code No. 101

Check with the four-year college or university you plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Career Technologies Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with an academic advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

A four semester course planner is available from the Career Technologies Division office for your assistance.

Recommended Courses:

Agriculture Core Courses

AGT 100	Orientation to Agricultural Careers	(1)
AGT 140	Introduction to Animal Science	(4)
AGT 160	Introduction to Agricultural Economics	(4)
AGT 170	Introduction to Agricultural Mechanization	(3)
AGT 210	Introduction to Crop Science	(4)
AGT 215	Introduction to Soils and Fertilizers	(4)

Not all courses may be required for all agricultural specialization areas. Check with the transfer institution for specific program requirements.

Science

BIO 103	General Biology	(3)
BIO 105	General Biology Laboratory	(1)
CHE 210	General Chemistry I	(5)

Additional courses may be required for certain agricultural specialization areas. Check with the transfer institution for specific program requirements.

Mathematics

MAT 210	Finite Mathematics	(3)

Social Sciences

ECO 260	Principles of Macroeconomics	(3)

Other general education or major courses specific to the transfer institution.

BIOLOGICAL SCIENCES

Advisement Code No. 103

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Math, Science, Business Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

Recommended Courses:

Biology Core Courses

BIO 201	Biology Principles I	(4)
BIO 202	Biology Principles II	(4)

Not all courses may be required for all specialization areas. Check with the transfer institution for specific program requirements.

Science

CHE 210	General Chemistry I	(5)
CHE 211	General Chemistry II	(5)
CHE 270	Organic Chemistry I	(3)
CHE 271	Organic Chemistry II	(3)
CHE 272	Organic Chemistry Lab I	(2)
CHE 273	Organic Chemistry Lab II	(2)
PHY 250	General Physics I and	(4)
PHY 251	General Physics II **OR**	(4)
PHY 263	Fundamentals of Physics I **AND**	(4)
PHY 273	Fundamentals of Physics II	(4)

Additional courses may be required for certain agricultural specialization areas. Check with the transfer institution for specific program requirements.

Mathematics

MAT 155	Trigonometry	(3)

Social Sciences

ECO 260	Principles of Macroeconomics	(3)

Other general education or major courses specific to the transfer institution.

BUSINESS

Advisement Code No. 104

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.A. or A.S. degree requirements, see the Math, Science, Business Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.A. or A.S. degree must be satisfied.

Recommended Courses:

Business/Accounting Core Courses

ACC 121	Financial Accounting	(4)
ACC 122	Managerial Accounting	(4)
BUS 101	Introduction to Business	(3)
BUS 256	Business Law	(3)

Not all courses may be required for all specialization areas. Check with the transfer institution for specific program requirements.

Computer Information Systems

CIS 123	Management Information Systems	(3)

Mathematics

MAT 211	Calculus for Business/Social Sciences **OR**	(4)
MAT 229	Calculus and Analytic Geometry I	(5)
MAT 220	Business Statistics	(4)

Office Systems

OS 133	Spreadsheets/Excel	(3)

Social Sciences

ECO 260	Principles of Macroeconomics	(3)
ECO 261	Principles of Microeconomics	(3)
PSY 102	Introduction to Psychology	(3)

Other general education or major courses specific to the transfer institution.

CHEMISTRY

Advisement Code No. 119

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Math, Science, Business Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

Recommended Courses:

Chemistry Core Courses

CHE 210	General Chemistry I	(5)
CHE 211	General Chemistry II	(5)
CHE 270	Organic Chemistry I	(3)
CHE 271	Organic Chemistry II	(3)
CHE 272	Organic Chemistry Laboratory I	(2)
CHE 273	Organic Chemistry Laboratory II	(2)

Not all courses may be required for all specialization areas. Additional courses may be required for certain specialization areas. Check with the transfer institution for specific program requirements.

Science

PHY 250	General Physics I and	(4)
PHY 251	General Physics II **OR**	(4)
PHY 263	Fundamentals of Physics I **AND**	(4)
PHY 273	Fundamentals of Physics II	(4)

Additional courses may be required for certain specialization areas. Check with the transfer institution for specific program requirements.

Mathematics

MAT 229	Calculus and Analytic Geometry I	(5)
MAT 230	Calculus and Analytic Geometry II	(5)
MAT 231	Calculus and Analytic Geometry III	(5)
MAT 260	Differential Equations	(3)

Other general education or major courses specific to the transfer institution.

COMPUTER SCIENCE

Advisement Code No. 123

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Career Technologies Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer.All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

A four semester course planner is available from the Career Technologies Division office for your assistance.

Recommended Courses:

Mathematics

MAT 210	Finite Mathematics **AND**	(3)
MAT 211	Calculus for Business and Social Sciences **OR**	(4)
MAT 229	Calculus and Analytic Geometry I **AND**	(5)
MAT 230	Calculus and Analytic Geometry II **AND**	(5)
MAT 231	Calculus and Analytic Geometry II	(5)
MAT 220	Business Statistics	(4)

Not all courses may be required for all specialization areas. Check with the transfer institution for specific program requirements.

Computer Information Systems

CIS 123	Management Information Systems	(3)
CIS 150	C++ Programming I **OR**	(3)
CIS 160	Java Programming I	(3)
CIS 250	C++ Programming II **OR**	(3)
CIS 260	Java Programming II	(3)

Check with transfer institution for specific program language requirements.

Social Sciences

ECO 260	Principles of Macroeconomics	(3)
ECO 261	Principles of Microeconomics	(3)

Accounting

ACC 121	Financial Accounting	(4)
ACC 122	Managerial Accounting	(4)

Not required for all specialization areas. Check with the transfer institution for specific program requirements.

Other general education or major courses specific to the transfer institution.

CRIMINAL JUSTICE/CRIMINOLOGY

Advisement Code No. 147

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Career Technologies Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

A four semester course planner is available from the Career Technologies Division office for your assistance.

Recommended Courses:

Criminal Justice

CRJ 101	Introduction to Criminal Justice	(3)
CRJ 107	Criminal Law I	(3)
CRJ 209	Juvenile Delinquency/Juvenile Justice	(3)
CRJ 211	Introduction to Corrections	(3)
CRJ 221	Constitutional Law for Police	(3)
CRJ 230	Ethics for Criminal Justice	(3)

Not all courses may be required for all specialization areas. Check with the transfer institution for specific program requirements.

Mathematics

MAT 208	Introductory Statistics	(4)
MAT 210	Finite Mathematics	(3)

Social Sciences

PLS 140	Introduction to American Government and Politics **OR**	(3)
PLS 240	State and Local Government	(3)
PSY 102	Introduction to Psychology	(3)
SOC 170	Introduction to Sociology	(3)
SOC 283	Social Problems	(3)
SOC 288	Criminology	(3)

Not all courses may be required for all specialization areas. Check with the transfer institution for specific program requirements.

Other general education or major courses specific to the transfer institution.

ELEMENTARY EDUCATION

Advisement Code No. 142

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Health, Education Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

Recommended Courses:

Elementary Education Core Courses

EDU 107	Introduction to Special Education	(3)
EDU 201	Introduction to Education	(3)
EDU 282	Clinical Experiences in Education	(1)
EDU 285	Intro to Technology in EDU	(3)

**It is recommended that students complete the ACT with a composite score of 22 or higher and a minimum writing score of 6 OR the SAT with a composite score of 1110 and a minimum score of 26 on writing and language OR pass the State mandated Test for Academic Proficiency (TAP). All scores must be from one test administration taken on the same date. Tests taken on or after September 10, 2016 follow the above scores. Tests taken before September 10, 2016 must check with the Teacher Preparation Coordinator.

Humanities and Social Sciences

ART 283	Art in the Elementary School	(3)
HIS 220	United States History to 1877 **OR**	(3)
HIS 222	United State History Since 1877	(3)
MUS 209	Music for the Elementary School	(3)
PE 250	Physical Education for Children	(3)
PSY 102	Introduction to Psychology	(3)
PSY 210	Educational Psychology	(3)
PSY 225	Psychology of Childhood/Adolescence	(3)

Mathematics

MAT 150	College Algebra	(4)
MAT 201	Mathematics for Elementary Teachers I	(3)
MAT 202	Mathematics for Elementary Teachers II	(3)

Other general education or major courses specific to the transfer institution.

SECONDARY EDUCATION

Advisement Code No. 143

Students intending to teach a subject at the secondary level should have the same course work as if they were majoring in that subject, plus the following courses:

Recommended Courses:

Secondary Education Core Courses

EDU 107	Introduction to Special Education	(3)
EDU 201	Introduction to Education	(3)
EDU 285	Intro to Technology in EDU	(3)
HIS 220	United States History to 1877 **OR**	(3)
HIS 222	United States History Since 1877	(3)
HLT 201	Human Nutrition **OR**	
HLT 206	Contemporary Health Concepts	(3)
ENG 292	Non-Western Literature in English **OR**	(3)
MUS 222	Exploring Non-Western World Culture Through Music **OR**	(3)
PLS 140	Introduction to American Government and Politics	(3)
PSY 102	Introduction to Psychology	(3)

SPECIAL EDUCATION

Advisement Code No. 144

Some of the courses recommended for elementary education majors should be completed by special education majors, depending on the specific type of teacher certification to be pursued and the college to be attended after Kishwaukee College. Students interested in special education emphases should meet with a counselor or advisor to assist in the selection of recommended course work.

TEACHER AIDE CERTIFICATION

Kishwaukee College does not offer a teacher aide program. Students pursuing teacher aide certification are encouraged to meet with a counselor or advisor. Please go to the website of the Regional Office of Education (ROE) for your county for further information on teacher's aide programs.

EARLY CHILDHOOD CAREERS

Advisement Code No. 140

The recommended courses listed should be reviewed with an advisor/counselor to determine their applicability towards Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer.

The minimum current requirements for Illinois licensure in early childhood education is 60 credit hours of college level credit, 6 hours of which must be in the field of early childhood education. Students are encouraged to exceed those minimum standards and complete the A.A. degree using the courses below as well as the Gateways curriculum as their open electives.

ECE 110	Fundamentals of Early Child Ed	(3)
ECE 111	The Developing Child	(3)
ECE 161	Family-Community Relationships	(3)
ECE 231	Infant/Toddler Development	(3)

ENGINEERING

Advisement Code No. 116

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Math, Science, Business Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

Recommended Courses:

Engineering Core Courses

EGR 101	Introduction to Engineering	(1)
EGR 270	Statics	(3)
EGR 272	Dynamics	(3)
EGR 280	Mechanics of Material	(3)
EGR 290	Circuit Analysis	(3)

Additional courses may be required for certain specialization areas. Check with the transfer institution for specific program requirements.

Science

CHE 210	General Chemistry I	(5)
CHE 211	General Chemistry II	(5)
CIS 150	C++ Programming I	(3)
PHY 263	Fundamentals of Physics I **AND**	(4)
PHY 273	Fundamentals of Physics II	(4)

Not all courses may be required for all specialization areas. Check with the transfer institution for specific program requirements.

Mathematics

MAT 229	Calculus and Analytic Geometry I	(5)
MAT 230	Calculus and Analytic Geometry II	(5)
MAT 231	Calculus and Analytic Geometry III	(5)
MAT 260	Differential Equations	(3)

Other general education or major courses specific to the transfer institution.

INDUSTRIAL TECHNOLOGY

Advisement Code No. 107

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Career Technologies Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

A four semester course planner is available from the Career Technologies Division office for your assistance.

Recommended Courses:

Science

CHE 110	Basic Chemistry **AND**	(3)
CHE 111	Basic Chemistry Laboratory **OR**	(1)
CHE 210	General Chemistry I	(5)
PHY 150	Introductory Physics **AND**	(3)
PHY 151	Introductory Physics Laboratory **OR**	(1)
PHY 250	General Physics I	(4)

Mathematics

MAT 155	Trigonometry	(3)
MAT 210	Finite Mathematics	(3)
MAT 229	Calculus and Analytic Geometry I	(5)
MAT 230	Calculus and Analytic Geometry II	(5)

Not all courses may be required for all specialization areas. Check with the transfer institution for specific program requirements.

Technology

CAD 151	Fundamentals of CAD/AutoCAD	(3)
CIS 101	Introduction to Computers	(3)
CIS 150	C++ Programming I	(3)
MT 215	Manufacturing Processes I	(2)
MT 216	Fabrication Practices	(2)
MT 261	Manufacturing Processes II	(4)

Not required for all specialization areas. Check with the transfer institution for specific program requirements.

Other general education or major courses specific to the transfer institution.

MATHEMATICS

Advisement Code No. 110

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Math, Science, Business Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

Recommended Courses:

Mathematics Core Courses

MAT 229	Calculus and Analytic Geometry I	(5)
MAT 230	Calculus and Analytic Geometry II	(5)
MAT 231	Calculus and Analytic Geometry III	(5)
MAT 260	Differential Equations	(3)

Additional courses may be required for certain specialization areas. Check with the transfer institution for specific program requirements.

Computer Information Systems

CIS 150	C++ Programming I	(3)

Other general education or major courses specific to the transfer institution.

PHYSICS

Advisement Code No. 133

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Math, Science, Business Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

Recommended Courses:

Physics Core Courses

PHY 263	Fundamentals of Physics I **AND**	(4)
PHY 273	Fundamentals of Physics II	(4)

Additional courses may be required for certain specialization areas. Check with the transfer institution for specific program requirements.

Science

CHE 210	General Chemistry I	(5)
CHE 211	General Chemistry II	(5)

Not all courses may be required for all specialization areas. Check with the transfer institution for specific program requirements.

Mathematics

MAT 229	Calculus and Analytic Geometry I	(5)
MAT 230	Calculus and Analytic Geometry II	(5)
MAT 231	Calculus and Analytic Geometry III	(5)
MAT 260	Differential Equations	(3)

Other general education or major courses specific to the transfer institution.

PRE-VETERINARY

Advisement Code No. 137

Students should check with the four-year college or university they plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.S. degree requirements, see the Career Technologies Division office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine their applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.S. degree must be satisfied.

A four semester course planner is available from the Career Technologies Division office for your assistance.

Recommended Courses:

Agriculture Core Courses

AGT 100	Orientation to Agricultural Careers	(1)
AGT 140	Introduction to Animal Science	(4)

Science

BIO 201	Biology Principles I	(4)
CHE 210	General Chemistry I	(5)
CHE 211	General Chemistry II	(5)
PHY 250	General Physics I	(4)
PHY 251	General Physics II	(4)

Mathematics

MAT 155	Trigonometry	(3)
MAT 208	Introductory Statistics	(4)
MAT 211	Calculus for Business and Social Sciences	(4)

Other general education or major courses specific to the transfer institution.