ASSOCIATE IN ARTS DEGREE

These requirements are effective for new students admitted to ECC beginning summer, 1998 or later.

This degree is designed for transfer to four year institutions and intended for students majoring in Art/Commercial Art, Behavioral Sciences, Communications, Criminal Justice, Education, Foreign Languages, Home Economics (Consumer and Family Studies), Humanities, Liberal Arts, Music, Pre-Law, Social Sciences and Theatre.

Graduates earning this degree meet the requirement for coursework on improving human relations as defined in 110 ILCS 205/9.21 (formerly Ill.Rev. Stat. 1991 Ch. 144 sec. 189.21) or PA-87-581.

The college recommends all students create an Educational Plan with a counselor in the ECC Counseling Center prior to registering. Students with previous academic, career and life experiences are encouraged to have a transcript analysis completed and to investigate CLEP and ECC Proficiency Credit to fulfill prerequisite, course and/or degree requirements.

Each of the courses listed below has an Illinois Articulation Initiative (IAI) equivalent number. Refer to the Course Description section in this catalog for course titles, IAI numbers, and specifics.

1. GENERAL EDUCATION REQUIREMENT.....37 sem. hrs.

A. Communications.....9 sem. hrs.
Three courses including a two course sequence in writing (6 semester credits) and one course (3 semester credits) in oral communication. A C or better in English (ENG) 101 and 102 is required for those students entering summer 1999 or later.
ENG - English 101 and 102.....6 sem. hrs.
SPH - Speech 101.....3 sem. hrs.

B. Mathematics.....3 sem. hrs.
One course from the list below-
MTH - Math 101, 102, 120, 125, 126, 133, 134, 201
MTH 113 (for elementary education majors only)

C. Physical and Life Sciences .....7 sem. hrs.
Two courses with one course selected from the life sciences and one course from the physical sciences and including one laboratory course
(Note: L=Lab)
Physical Sciences
ATY - Astronomy 100
CHM - Chemistry 115L
CHM 101L, 112L, 142L (only one counts for IAI Physical Sciences course)
GEO - Geography 115
GLY - Geology 105, 112L
PHY - Physics 101L, 111L
SPC - Physical Science 111L, 211L
Life Sciences
BIO - Biology 105, 115L, 150L
BIO 110L, 113L (only one counts for IAI Life Sciences course)

D. Humanities and Fine Arts .....9 sem. hrs.
Three courses with at least one course selected from humanities and at least one course from the fine arts
(Note: N=human diversity from a non-western perspective; D=human diversity within the United States)
Humanities
Foreign Languages FLF 104, FLG 104, FLS 104 (only one counts for IAI Humanities course)
HIS - History 118, 160
HUM - Humanities 110, 112, 113,170N, 202, 203N, 204, 205, 216
HUM 115, 116 (only one counts for IAI Humanities course)
LIT - Literature 201, 202, 203, 205, 210D, 211D, 214, 215, 216, 217, 223N, 229, 235
LIT 230, 241, 243, 245 (only one counts for IAI Humanities course)
LIT 231, 242, 244 (only one counts for IAI Humanities course)
Fine Arts
ART - Art 115, 151, 154N, 155
ART 152, 153 (only one counts for IAI Fine Arts course)
MUS - Music 104N, 105, 106
THE – Theatre 100, 122, 124
Interdisciplinary Humanities & Fine Arts
(May count as either Humanities or Fine Arts)
HUM - Humanities 101, 102, 103N
SPH - Speech 106

E. Social & Behavioral Sciences.....9 sem. hrs.
Three courses with at least one course selected from Social Sciences and at least one course selected from Behavioral Sciences
(Note: N=human diversity from a non-western perspective; D=human diversity within the United States)
Social Sciences
BEC - Economics 101, 102, 103
GEO - Geography 116N
HIS - History 101, 102, 115N, 116N, 120N, 121N, 130N, 131N, 140N, 141N, 151, 152
POS - Political Science 150, 151, 152, 250, 251N, 253N
Behavioral Sciences
ATR-Anthropology 120N, 210, 220N, 250
PSY-Psychology 100, 212, 214, 218
SOC-Sociology 100, 201, 209D, 210, 220D
PSY 215/SOC 215 (only one counts for IAI Behavioral Sciences course)

2. MAJOR FIELD & ELECTIVE COURSES.....23 sem. hrs.

Students should choose an intended major at a transfer institution as soon as possible and select courses which are required for their major.

After fulfilling required courses for their major, students may complete this area with electives. In general, any course numbered 100 or above with a 1.1 code in the course description may be used. If the student wishes to enroll in a course which does not have a 1.1 code he/she should see a counselor prior to enrolling to discuss the transferability of the course.

3. COLLEGE REQUIREMENTS

1. A total of 60 hours or more must be completed as specified. This total cannot include any credits earned in courses numbered below 100 nor any courses with ABE, DPB, ELC, or ESL prefixes. The 60 hours total may include up to four hours of credit in Physical Education, courses prefixed by PHC, PHM, or PHW.

2. A minimum cumulative grade point average of 2.0 for all courses numbered 100 and above.

3. Meet the college's Academic Residency requirement which means a minimum of 15 semester hours in courses numbered 100 and above must have been achieved at ECC, excluding CLEP and proficiency credits.

4. Fulfill the requirements of Illinois Senate Bill 195 in one of the following ways:
   a. A transcript from an Illinois high school, college or university (or GED scores) which shows evidence that the Constitution requirement has been met since 1953 and is on file in the ECC Records Office.
   b. A passing grade in either POS 150 or HIS 151 at ECC or its equivalent at another Illinois college or university.
   c. Successful completion of a Constitution Review test at ECC.

ASSOCIATE IN SCIENCE DEGREE

These requirements are effective for new students admitted to ECC beginning summer, 1998 or later.

This degree is designed for transfer to four year institutions and intended for students majoring in Aviation, Business, Computer & Information Sciences, Engineering, Health related fields, Math, Physical Education/Recreation, Pre-medicine/dentistry, and Science.

Graduates earning this degree meet the requirement for coursework on improving human relations as defined in 110 ILCS 205/9.21 (formerly Ill.Rev. Stat. 1991 Ch. 144 sec. 189.21) or PA-87-581.

The college recommends all students create an Educational Plan with a counselor in the ECC Counseling Center prior to registering. Students with previous academic, career and life experiences are encouraged to have a transcript analysis completed and to investigate CLEP and ECC Proficiency Credit to fulfill prerequisite, course and/or degree requirements.

Each of the courses listed below has an Illinois Articulation Initiative (IAI) equivalent number. Refer to the Course Description section in this catalog for course titles, IAI numbers, and specifics.

1. GENERAL EDUCATION REQUIREMENT.....41 sem. hrs.

A. Communications.....9 sem. hrs.
Three courses including a two course sequence in writing (6 semester credits) and one course (3 semester credits) in oral communication. A C or better in English (ENG) 101 and 102 is required for those students entering summer 1999 or later.
ENG - English 101 and 102.....6 sem. hrs.
SPH - Speech 101.....3 sem. hrs.

B. Mathematics.....6 sem. hrs.
Two courses selected from the courses listed below
MTH - Math 101, 102, 120, 125, 126, 133, 134, 201
MTH 113 (for elementary education majors only)

C. Physical and Life Sciences .....8 sem. hrs.
Two courses with one course selected from the life sciences and one course from the physical sciences and including one laboratory course
(Note: L=Lab)
Physical Sciences
ATY - Astronomy 100
CHM - Chemistry 115L
CHM - 101L, 112L, 142L (only one counts for IAI Physical Sciences course)
GEO - Geography 115
GLY - Geology 105, 112L
PHY - Physics 101L, 111L
SPC - Physical Science 111L, 211L
Life Sciences
BIO - Biology 105, 115L, 150L
BIO 110L, 113L (only one counts for IAI Life Sciences course)

D. Humanities and Fine Arts .....9 sem. hrs.
Three courses with at least one course selected from humanities and at least one course from the fine arts
(Note: N=human diversity from a non-western perspective; D=human diversity within the United States)
Humanities
Foreign Languages FLF 104, FLG 104, FLS 104 (only one counts for IAI Humanities course)
HIS - History 118, 160
HUM - Humanities 110, 112, 113, 170N, 202, 203N, 204, 205, 216
HUM 115, 116 (only one counts for IAI Humanities course)
LIT - Literature 201, 202, 203, 205, 210D, 211D, 214, 215, 216, 217, 223N, 229, 235
LIT 230, 241, 243, 245 (only one counts for IAI Humanities course)
LIT 231, 242, 244 (only one counts for IAI Humanities course)
Fine Arts
ART - Art 115, 151, 154N, 155
ART 152, 153 (only one counts for IAI Fine Arts course)
MUS - Music 104N, 105, 106
THE – Theatre 100, 122, 124
Interdisciplinary Humanities & Fine Arts
(May count as either Humanities or Fine Arts)
HUM - Humanities 101, 102, 103N
SPH - Speech 106

E. Social & Behavioral Sciences.....9 sem. hrs.
Three courses with at least one course selected from Social Sciences and at least one course selected from Behavioral Sciences
(Note: N=human diversity from a non-western perspective; D=human diversity within the United States)
Social Sciences
BEC - Economics 101, 102, 103
GEO - Geography 116N
HIS - History 101, 102, 115N, 116N, 120N, 121N, 130N, 131N, 140N, 141N, 151, 152
POS - Political Science 150, 151, 152, 250, 251N, 253N
Behavioral Sciences
ATR - Anthropology 120N, 210, 220N, 250
PSY - Psychology 100, 212, 214, 218
SOC - Sociology 100, 201, 209D, 210, 220D
PSY 215/SOC 215 (only one counts for IAI Behavioral Sciences course)

2. MAJOR FIELD & ELECTIVE COURSES.....19 sem. hrs.

Students should choose an intended major at a transfer institution as soon as possible and select courses which are required for their major.

After fulfilling required courses for their major, students may complete this area with electives. In general, any course numbered 100 or above with a 1.1 code in the course description may be used. If the student wishes to enroll in a course which does not have a 1.1 code he/she should see a counselor prior to enrolling to discuss the transferability of the course.

3. COLLEGE REQUIREMENTS

1. A total of 60 hours or more must be completed as specified. This total cannot include any credits earned in courses numbered below 100 nor any courses with ABE, DPB, ELC, or ESL prefixes. The 60 hours total may include up to four hours of credit in Physical Education, courses prefixed by PHC, PHM, or PHW.

2. A minimum cumulative grade point average of 2.0 for all courses numbered 100 and above.

3. Meet the college's Academic Residency requirement which means a minimum of 15 semester hours in courses numbered 100 and above must have been achieved at ECC, excluding CLEP and proficiency credits.

4. Fulfill the requirements of Illinois Senate Bill 195 in one of the following ways:
   a. A transcript from an Illinois high school, college or university (or GED scores) which shows evidence that the Constitution requirement has been met since 1953 and is on file in the ECC Records Office.
   b. A passing grade in either POS 150 or HIS 151 at ECC or its equivalent at another Illinois college or university.
   c. Successful completion of a Constitution Review test at ECC.

5. Students may apply up to six hours of Independent Study credit toward any associate degree.

ASSOCIATE IN FINE ARTS DEGREE

These requirements are effective for new students admitted to ECC beginning summer, 1998 or later.

VISUAL ART EMPHASIS

Illinois colleges and universities offer two different bachelor's degrees in art: the professional Bachelor of Fine Arts (B.F.A.) degree and the Bachelors of Arts (B.A.) degree with a major in art. In general, the B.F.A. degree requires about 135 semester credits for completion, while the B.A. degree with a major in art requires 120 to 124 semester credits for completion. The B.F.A. degree generally requires more studio art courses than does the B.A. degree. In some colleges and universities, a B.A. degree requires competency in a foreign language, while the B.F.A. degree often does not.

To transfer as a junior into either a B.F.A. or a B.A. program with a major in art, students should select the option described below in consultation with a faculty member in the art department. Since transfer admission is competitive, completion of this option does not guarantee admission. Most institutions require a portfolio review for admission to a B.F.A. program, for registration in advance studio art courses, and/or for scholarship consideration. Community and junior college students are strongly encouraged to complete an associate degree before transferring.

The General Education courses required for the A.F.A. degree are approved by the Illinois Articulation Initiative (IAI); however, the structure of the A.F.A. degree does not meet the minimum IAI general education core requirements.

1. **GENERAL EDUCATION REQUIREMENT.....31-33 sem. hrs.**
   Each of the courses listed below has an IAI equivalent number. Refer to the Course Description section in this catalog for course titles, IAI numbers, and specifics.

   A. **Communications.....9 sem. hrs.**
   Three courses including a two course sequence in writing (6 semester credits) and one course (3 semester credits) in oral communication. A C or better in English (ENG) 101 and 102 is required for freshmen entering summer 1999 or later.
   ENG - English 101 and 102.....6 sem. hrs.
   SPH - Speech 101.....3 sem. hrs.

   B. **Mathematics.....3-4 sem. hrs.**
   One course selected from the courses listed below
   MTH - Math 101, 102, 120, 125, 126, 133, 134, 201

   C. **Physical & Life Sciences.....7-8 sem. hrs.**
   Two courses with one course selected from the Physical Sciences and one course from the Life Sciences and including one laboratory course (Note: L=Lab)
   Physical Sciences
   ATY - Astronomy 100
   CHM - Chemistry 115L
   CHM 101L, 112L, 142L (only one counts for IAI Physical Sciences course)
   GEO - Geography 115
   GLY - Geology 105, 112L
   PHY - Physics 101L, 111L
   SPC - Physical Science 111L, 211L
   Life Sciences
   BIO - Biology 105, 115L, 150L
   BIO 110L, BIO 113L (only one counts for IAI Life Sciences course)

   D. **Humanities .....6 sem. hrs.**
   (Note: N=human diversity from a non-western perspective; D=human diversity within the United States)
   Humanities:
   Foreign Language FLF 104, FLG 104, FLS 104 (only one counts for IAI Humanities course)
   HIS - History 118, 160
   HUM - Humanities 101, 102, 103N, 110, 112, 113,170N, 202, 203N, 204, 205, 216
   HUM 115, 116 (only one counts for IAI Humanities course)
   LIT - Literature 201, 202, 203, 205, 210D, 211D, 214, 215, 216, 217, 223N, 229, 235
   LIT 230, 241, 243, 245 (only one counts for IAI Humanities course)
   LIT 231, 242, 244 (only one counts for IAI Humanities course)
   SPH - Speech 106

   E. **Social & Behavioral Sciences.....6 sem. hrs.**
   Two courses with one course selected from Social Sciences and one course from Behavioral Sciences
   (Note: N=human diversity from a non-western perspective; D=human diversity within the United States)
   Social Sciences
   BEC - Economics 101, 102, 103
   GEO - Geography 116N
   HIS - History 101, 102, 115N, 116N, 120N, 121N, 130N, 131N, 140N, 141N, 151, 152
   POS - Political Science 150, 151, 152, 250, 251N, 253N
   Behavioral Sciences
   ATR - Anthropology 120N, 210, 220N, 250
   PSY - Psychology 100, 212, 214, 218
   SOC - Sociology 100, 201, 209D, 210, 220D
   PSY 215, SOC 215 (only one counts for IAI Behavioral Sciences course)

2. **MAJOR FIELD & ELECTIVE COURSES**

   Required Art Courses .....21 sem. hrs.
   Art History, ART 151, 152, and/or 153.....6 sem. hrs.
   Drawing, ART 101 and 102.....6 sem. hrs.
   Two-Dimensional Design, ART 109.....3 sem. hrs.
   Three-Dimensional Design, ART 110.....3 sem. hrs.
   Life/Figure Drawing, ART 201.....3 sem. hrs.

   Elective Studio Art Courses.....9 sem. hrs.
   Select studio art courses from **at least two** of the following disciplines in consultation with an art faculty member:
   Painting, ART 107, *108
   Ceramics, ART 105, *106
   Sculpture, ART 103, *104
   Printmaking, ART 113, *114
   Jewelry and Metalworking, ART 111, *112
   Photography, ART 120, *121

   *Transferability of this course is dependent on a portfolio examination at the senior institution.

3. **COLLEGE REQUIREMENTS**

   A. A total of 60 hours or more must be completed as specified. This total cannot include any credits earned in courses numbered below 100 nor any courses with ABE, DPB, ELC, or ESL prefixes. The 60 hours total may include up to four hours of credit in Physical Education, courses prefixed by PHC, PHM, or PHW.

   B. A minimum cumulative grade point average of 2.0 for all courses numbered 100 and above.

   C. Meet the college's Academic Residency requirement which means a minimum of 15 semester hours in courses numbered 100 and above must have been achieved at ECC, excluding CLEP and proficiency credits.

D. Fulfill the requirements of Illinois Senate Bill 195 in one of the following ways:
   1) A transcript from an Illinois high school, college or university (or GED scores) which shows evidence that the Constitution requirement has been met since 1953 and is on file in the ECC Records Office.
   2) A passing grade in either POS 150 or HIS 151 at ECC or its equivalent at another Illinois college or university.
   3) Successful completion of a Constitution Review test at ECC.

E. Students may apply up to six hours of Independent Study credit toward any associate degree.

MUSIC PERFORMANCE EMPHASIS

Any community or junior college student who intends to major in music for the baccalaureate degree is strongly encouraged to complete the Associate in Fine Arts (A.F.A.) degree in music, not the Associate in Arts (A.A.) degree or the Associate in Science (A.S.) degree prior to transfer.

To transfer as a junior into a baccalaureate program with a major in Music, students should select the option described in consultation with a faculty member in the music department. Completion of the A.F.A. degree, however, does not fulfill the requirements of the Illinois 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. Completion of this option alone does not guarantee admission either to the baccalaureate program or to upper-division or specialty music courses. Students may be required to demonstrate skill level through auditions and placement testing at the institution to which they transfer. In some colleges and universities, a baccalaureate degree may also require competency in a foreign language.

The General Education courses required for the A.F.A. degree are approved by the Illinois Articulation Initiative (IAI); however, the structure of the A.F.A. degree does not meet the minimum IAI general education core requirements.

1. GENERAL EDUCATION REQUIREMENT.....28-32 sem. hrs.
Each of the courses listed below has an Illinois Articulation Initiative (IAI) equivalent number. Refer to the Course Description section in this catalog for course titles, IAI numbers, and specifics.

A. Communications.....9 sem. hrs.
Three courses including a two course sequence in writing (6 semester credits) and one course (3 semester credits) in oral communication. A C or better in English (ENG) 101 and 102 is required for freshmen entering summer 1999 or later.
ENG - English 101 and 102.....6 sem. hrs.
SPH - Speech 101 .....3 sem. hrs.

B. Mathematics.....3-4 sem. hrs.
One course selected from the courses listed below
MTH - Math 101, 102, 120, 125, 126, 133, 134, 201

C. Physical & Life Sciences .....7-8 sem. hrs.
Two courses with one course selected from the Physical Sciences and one course from the Life Sciences and including one laboratory course (Note: L=Lab)
Physical Sciences
ATY - Astronomy 100
CHM - Chemistry 115L
CHM 101L, 112L, 142L (only one counts for IAI Physical Sciences course)
GEO - Geography 115
GLY - Geology 105, 112L
PHY - Physics 101L, 111L
SPC - Physical Science 111L, 211L
Life Sciences
BIO - Biology 105, 115L, 150L
BIO 110L, 113L (only one counts for IAI Life Sciences course)

D. Humanities .....6-7 sem. hrs.
(Note: N=human diversity from a non-western perspective; D=human diversity within the United States)
Humanities
Foreign Language FLF 104, FLG 104, FLS 104 (only one counts for IAI Humanities course)
HIS - History 118, 160
HUM - Humanities 101, 102, 103N, 110, 112, 113, 170N, 202, 203N, 204, 205, 216
HUM 115, 116 (only one counts for IAI Humanities course)
LIT - Literature 201, 202, 203, 205, 210D, 211D, 214, 215, 216, 217, 223N, 229, 235
LIT 230, 241, 243, 245 (only one counts for IAI Humanities course)
LIT 231, 242, 244 (only one counts for IAI Humanities course)
SPH - Speech 106

E. Social & Behavioral Sciences.....3-4 sem. hrs.
One course selected from the courses listed below
(Note: N=human diversity from a non-western perspective; D=human diversity within the United States)
Social Sciences
BEC - Economics 101, 102, 103
GEO - Geography 116N
HIS - History 101, 102, 115N, 116N, 120N, 121N, 130N, 131N, 140N, 141N, 151, 152
POS - Political Science 150, 151, 152, 250, 251N, 253N
Behavioral Sciences
ATR - Anthropology 120N, 210, 220N, 250
PSY - Psychology 100, 212, 214, 218
SOC - Sociology 100, 201, 209D, 210, 220D
PSY 215, SOC 215 (only one counts for IAI Behavioral Sciences course)

2. MAJOR FIELD COURSES .....38 sem. hrs.

Music Theory & Aural Skills.....16 sem. hrs.
MUS 128, 129, 228, and 229
Music Literature/History .....6 sem. hrs.
MUS 106 and MUS 107
Keyboard Skills.....4 sem. hrs.
MUS 126 and 127
Ensemble .....4 sem. hrs.
MUS 101, 102, 108, 110, 111, 112, 124
Applied Instruction.....8 sem. hrs.
MUS 140 and 240

3. COLLEGE REQUIREMENTS

A. A total of 60 hours or more must be completed as specified. This total cannot include any credits earned in courses numbered below 100 nor any courses with ABE, DPB, ELC, or ESL prefixes. The 60 hours total may include up to four hours of credit in Physical Education, courses prefixed by PHC, PHM, or PHW.

B. A minimum cumulative grade point average of 2.0 for all courses numbered 100 and above.

C. Meet the college's Academic Residency requirement which means a minimum of 15 semester hours in courses numbered 100 and above must have been achieved at ECC, excluding CLEP and proficiency credits.

D. Fulfill the requirements of Illinois Senate Bill 195 in one of the following ways:
   1) A transcript from an Illinois high school, college or university (or GED scores) which shows evidence that the Constitution requirement has been met since 1953 and is on file in the ECC Records Office.
   2) A passing grade in either POS 150 or HIS 151 at ECC or its equivalent at another Illinois college or university.
   3) Successful completion of a Constitution Review test at ECC.

E. Students may apply up to six hours of Independent Study credit

ASSOCIATE IN ENGINEERING SCIENCE DEGREE

60-68 Semester Hours
These requirements are effective for new students admitted to ECC beginning Summer 1998.

Bachelor's engineering programs are highly structured to meet the Accreditation Board for Engineering and Technology (ABET) standards required for candidates seeking Illinois registration as a professional engineer. The Associate in Engineering Science (AES) Degree is designed to parallel the first two years of pre-engineering programs at most Illinois universities and facilitates students transferring into a bachelor's engineering program with junior standing.

Due to the rigor of the AES curriculum, it is ideal for students to have taken a fourth course of math in high school, or at least have an aptitude in science and math.

Students should select courses in consultation with a counselor and should decide on their engineering specialty and their preferred transfer school at the beginning of the sophomore year (at 30 semester hours), since engineering course selections may vary by specialty and school.
Admission into engineering is very competitive. Completion of the pre-engineering courses alone does not guarantee admission to an engineering program.

The General Education courses required for the AES degree are approved by the Illinois Articulation Initiative (IAI); however, the structure of the AES does not meet the minimum IAI General Education Core Requirements. Students will need to complete the general education requirements of the school to which they transfer.

1. **General Education Requirements .....31-43 Sem. Hrs.**
   A. **Communications.....6 Sem. Hrs.**
   A **C** or better in English (ENG) 101 and 102 is required for freshmen entering summer 1999 or later.
   ENG 101(3), 102(3)

   B. **Mathematics.....9 Sem. Hrs.**
   MTH 133(4), 134(5)

   C. **Life/Physical Science .....10 Sem. Hrs.**
   CHM 142(5), PHY 111L(5)

   D. **Humanities/Fine Arts.....3-9 Sem. Hrs.**
   Choose from approved IAI courses listed below. (If two courses are selected, a two-course sequence in the same discipline is recommended.)
   Humanities
   Foreign Language - FLF 104(4), FLG 104(4) FLS 104(4) (only one counts for IAI Humanities course)
   History - HIS 118(3), 160(3)
   Humanities - HUM 101(3), 102(3), 103N(3), 110(3), 112(3), 113(3), 170N(3), 202(3), 203N(3), 204(3), 205(3), 216(3)
   HUM 115, 116 (only one counts as IAI Humanities course)
   Literature - LIT 201(3), 202(3), 203(3), 205(3), 210D(3), 211D(3), 214(3), 215(3), 216(3), 217(3), 223N(3), 229(3), 235(3)
   LIT 231(3), 242(3), 244(3) (only one counts as IAI Humanities course)
   LIT 230(3), 241(3), 243(3), 245(3) (only one counts as IAI Humanities course)
   ___Speech - SPH 106(3)
   Fine Arts
   Art - ART 115(3), 151(3), 154N(3), 155(3)
   ART 152(3), 153(3) (only one counts as IAI Fine Arts course)
   Humanities - HUM 101(3), 102(3), 103N(3)
   Music - MUS 104N(3), 105(3), 106(3)
   Speech - SPH 106(3)
   Theatre - THE 100 (3), 122 (3), 124(3)

   E. **Social/Behavioral Science .....3-9 Sem. Hrs.**
   Choose from Approved IAI Courses listed below. (If two courses are selected, a two-course sequence in the same discipline is recommended.)
   Social Science
   Economics - BEC 101(3), 102(3), 103(3)
   Geography - GEO 116N(3)
   History - HIS 101(3), 102(3), 115N(3), 116N(3), 120N(3), 121N(3), 130N(3), 131N(3), 140N(3), 141N(3), 151(3), 152(3)
   Political Science - POS 150(3), 151(3), 152(3), 250(3), 251N(3), 253N(3)
   Behavioral Science
   Anthropology - 120N(3), 210(3), 220N(3), 250(3)
   Psychology - PSY 100(3), 212(3), 214(3), 218(3)
   Sociology - SOC 100(3), 201(3), 209D(3), 210(3), 220D(3)
   PSY 215(3), SOC 215(3) (only one counts for IAI Behavioral Sci ences course)

2. ***Essential Prerequisite and Pre-Engineering Specialty Courses .....22-33 Sem. Hrs.**

   A. **Essential Prerequisite Courses.....17 Sem. Hrs.**
   CIS/MTH 123(4)
   MTH 201(5), 202(3)
   PHY 112(5)

   B. **Pre-Engineering Specialty Courses.....5-16 Sem. Hrs.**
   BEC 103(3)
   CHM 143(5), 234(5), 235(5)
   CIS 223(4)
   EGR 101(4), 152(3), 252(3)
   PHY 113(1)
   *No math lower than calculus I (MTH 133) will count towards the degree.

   C. **Major Field and Elective Courses by Specialty**

   1) **For Mechanical Engineering** (Also General Engineering, Aeronautical Engineering, Manufacturing Engineering, and Engineer Mechanics)
   EGR 101, EGR 152, EGR 252
   **Electrical Circuits
   2) **For Chemical Engineering**
   CHM 143, CHM 234, CHM 235
   3) **For Civil Engineering**
   EGR 101, EGR 152, EGR 252
   4) **For Computer and Electrical Engineering**
   **Electrical Circuits
   5) **For Industrial Engineering**
   EGR 152, EGR 252, BEC 103
   **The Electrical Circuits courses are available to ECC students at several local community colleges at in-district tuition costs. Please check with the Dean of Counseling and Career Services for an up-to-date list and directions.
   6) **Since the following specialties are only offered by one or two schools, see the school for advice on course selection:**
   Agricultural Engineering (University of Illinois at Urbana-Champaign)
   Bioengineering (University of Illinois at Chicago and at Urbana-Champaign)
   Materials Sciences and Engineering (IIT and University of Illinois at Urbana-Champaign)
   Mining Engineering (Southern Illinois University at Carbondale)
   Nuclear Engineering (University of Illinois at Urbana-Champaign)

3. **College Requirements**
   A. A total of 60 hours or more must be completed as specified. This total cannot include any credits earned in courses numbered below 100 nor any courses with ABE, DPB, ELC, or ESL prefixes.
   B. No course with a grade less than C will transfer; transfer admission is very competitive.
   C. Meet the college's Academic Residency requirement, which means a minimum of 15 semester hours in courses numbered 100 and above must have been achieved at ECC, excluding CLEP and proficiency credits. Fulfill the requirements of Illinois Senate Bill 195 in one of the following ways:
   1) A transcript from an Illinois high school, college or university (or GED scores) which shows evidence that the Constitution requirement has been met since 1953 and is on file in the ECC Records Office.
   2) A passing grade in either POS 150 or HIS 151 at ECC or its equivalent at another Illinois college or university.
   3) Successful completion of a Constitution Review test at ECC.

ASSOCIATE IN LIBERAL STUDIES DEGREE

This highly individualized degree combines both liberal arts and sciences and occupational education course work. It provides a greater element of freedom for the student and is especially beneficial for anyone with broad life or educational experiences.

Because of the individualized nature of this degree, all students pursuing it should develop an educational plan with a counselor and should discuss transfer implications as they develop the plan.

The college requires these students to have a plan of study approved by the Dean of Students or the Associate Dean of Counseling and Career Services on file.

Students with previous academic, career and life experiences are encouraged to investigate the options of proficiency credit to substitute their acquired knowledge for prerequisite, course and/or degree requirements.

This degree is intended to articulate to universities offering the Board of Governor's baccalaureate degree. Transfer of this degree to institutions which do not offer it may result in some loss of credit. Universities offering the Board of Governor's degree are:

Chicago State University
Eastern Illinois University
Governors State University
University of Illinois at Springfield
Western Illinois University

Graduates earning this degree meet the requirement for coursework on improving human relations as defined in 110 ILCS 205/9.21 (formerly Ill. Rev. Stat. 1991 Ch. 144 sec. 189.21) or PA-87-581.

1. COURSE REQUIREMENTS..... 60 sem. hrs.
See the Course Description section of this catalog for course titles and descriptions.

A. Communications
A **C** or better in English (ENG) 101 and 102 is required for freshmen entering summer 1999 or later.
English Composition I and II (ENG) 101 and 102.....6 sem. hrs.
Speech (SPH) 101.....3 sem. Hrs

B. Science .....3 sem. hrs.

ATY	100	Astronomy	3
BIO	105	Survey of Environmental Biology	3
BIO	110	Principles of Biology	4
BIO	113	Molecular & Cellular Biology	4
BIO	114	Organismal Bio, Evolution, Ecology	4
BIO	115	Environmental Biology	4
BIO	150	General Botany	4
BIO	240	Human Anatomy & Physiology	5
BIO	245	Human Anatomy and Physiology I	4
BIO	246	Human Anatomy and Physiology II	4
BIO	265	General Microbiology	4
CHM	101	Preparatory Chemistry	5
CHM	112	Elements of Chemistry: General	5
CHM	115	Chemistry and Society	4
CHM	142	General Chemistry I	5
CHM	143	General Chemistry II	5
CHM	170	Elementary Organic Chemistry	5
CHM	221	Quantitative Analysis	4
CHM	234	Organic Chemistry	5
CHM	235	Organic Chemistry	5
GEO	115	Introduction to Physical Geography	3
GLY	112	Physical Geology	4
PHY		Any Physics Course, except 105, 113, 115, and 116	5
SPC	111	Survey of Physical Science	4
SPC	211	Earth Science	4

C. Math (MTH) or BUS 120 Business Mathematics ..... 3 sem. hrs.

D. Behavioral Sciences.....3 sem. hrs.
Anthropology (ATR)
Psychology (PSY)
Sociology (SOC)

E. Social Sciences.....3 sem. hrs.
Economics (BEC/ECN) History (HIS)
Geography (GEO 116 only) Political Science (POS)
International Studies (INS), excluding non-traditional languages

F. Areas of Concentration.....39 sem. hrs.
One area of concentration from an occupational/vocational field; another from the liberal arts and sciences curriculum.

2. COLLEGE REQUIREMENTS

A. A total of 60 hours or more must be completed as specified above. This total cannot include any credits earned in courses numbered below 100 nor any courses with ABE, DPB, ELC, or ESL prefixes. The 60 hours total may include up to four hours of credit in Physical Education, courses prefixed by PHC, PHM, or PHW.

B. A minimum cumulative grade point average of 2.0 for all courses numbered 100 and above.

C. Meet the college's Academic Residency requirement which means a minimum of 15 semester hours in courses numbered 100 and above must have been achieved at ECC, excluding CLEP and proficiency credits.

D. Fulfill the requirements of Illinois Senate Bill 195 in one of the following ways:

1) A transcript from an Illinois high school, college or university (or GED scores) which shows evidence that the Constitution requirement has been met since 1953 and is on file in the ECC Records Office.

2) A passing grade in either Political Science 150 or U.S. History 151 at ECC or its equivalent at another Illinois college/university.

3) Successful completion of a Constitution Review test at ECC.

E. Students may apply up to six hours of Independent Study credit

ASSOCIATE OF APPLIED SCIENCE DEGREE

These requirements are effective for new students admitted to ECC beginning summer, 2006.

The college recommends that **all students** create an Educational Plan with a counselor in the ECC Counseling Center prior to registering. Students with previous academic, career and life experiences are encouraged to investigate the proficiency credit options to substitute their acquired knowledge for prerequisite, course and/or degree requirements.

This degree is **not intended for transfer**. For information about courses in the curricula that will transfer or about a transfer-oriented program, see an ECC counselor.

1. CURRICULUM REQUIREMENTS

The student must satisfactorily complete all courses specified in the curriculum of their choice. See the Career & Technical Education Curricula section and the Course Description section of this catalog for details.

Accounting
Automotive Service Technology
Clinical Laboratory Technology
Computer Aided Design and Drafting Technology
Computer & Information Sciences
- Internet Specialist
- Microcomputer Specialist
- Network Specialist

Criminal Justice
Culinary Management
- Culinary Arts
- Pastry Arts
- Restaurant Management

Entrepreneurship
Environmental Control Systems
Fire Science and Safety
Graphic Design
- Computerized Graphic Design Option
- Illustration Option

Heating, Air Conditioning, and Refrigeration
Hotel Management
Human Services
- Early Childhood Education Option
- Family Violence Counseling Option
- Mental Health Generalist Option
- Substance Abuse Counseling Option

Industrial Manufacturing Technology
IST/Maintenance Technology
Machine Tool Technology
Management
Marketing
Multimedia Design
Nursing
Office Administration Technology
- Administrative Office Professional Option
- Legal Office Professional Option
- Medical Office Professional Option
- Information Processing Professional Option

Retail Management
Paralegal
Welding Fabrication Technology

2. GENERAL EDUCATION REQUIREMENTS

A. Communications..... 6-9 sem. hrs.
Unless particular courses are specified in the curriculum, students must take two of the writing courses listed below. See the Curriculum and Course Description sections of this catalog for details about courses.

ENG 101	English Composition I	3
ENG 102	English Composition II	3
BUS 101	Business Communications	3
BUS 142	Report Writing	3

Some curricula require SPH 101, Fundamentals of Speech (3), in addition to the 6 hours of written communications.

B. Social or Behavioral Science
Unless a particular course is specified in the curriculum, students must choose a course or courses numbered 100 and above from the disciplines listed below. See the Curriculum and Course Description sections for details about courses.

Anthropology (ATR)
Economics (BEC/ECN)
Geography (GEO 116 only)
History (HIS)
International Studies (INS), excluding non-traditional languages
Political Science (POS)
Psychology (PSY)
Sociology (SOC)

C. Math or Science
Unless a particular course is specified in the curriculum, students must choose a math or science course numbered 100 and above from the list below. See the Curriculum and Course Description sections for details about courses. (Please note: Although it does not have a MTH or science prefix, BUS 120 Business Mathematics (3) fulfills this requirement in all degrees with a business emphasis.)

Astronomy (ATY)
Biology (BIO)
Botany (BIO)
Chemistry (CHM)
Geography (GEO 115 only)
Geology (GLY)
Mathematics (MTH)
Microbiology (BIO)
Physics (PHY)
Physiology (BIO)
Science (SCI/SPC)

D. A minimum of 3 hours in Liberal Education selected from among the following:

ART	115	Art Appreciation	3
ART	151	History of Art I	3
ART	152	History of Art II	3
ART	153	History of Art III	3
ART	154	Survey of Non-Western Art	3
ART	155	History of Photography	3
FRENCH, GERMAN, RUSSIAN or SPANISH			3-4
HIS	118	Foundations of Civilization	3
HIS	160	American Civilization	3
HUM, Any Humanities Course			3
INS, International Studies, non-traditional languages			2
LIT, Any Literature Course			3
MUS	104	Musics of the World	3
MUS	105	Music Appreciation	3
MUS	106	Music Literature 1440-1750	3
MUS	107	Music Literature 1750 to present	3
SPH	106	Introduction to Broadcasting & Film	3
SPH	120	Oral Interpretation of Literature	3
THE	100	Theatre Appreciation	3
THE	122	Intro-Theatre History & Literature	3
THE	124	Diversity of American Drama	3

3. COLLEGE REQUIREMENTS

1. A total of 60 hours or more must be completed in courses numbered 100 and above **as specified in the curriculum**. This total cannot include any courses with ABE, DPB, ELC, or ESL prefixes.

2. A minimum cumulative grade point average of 2.0 for all courses that are applied to the degree.

3. Meet the college's Academic Residency requirement which means a minimum of 15 semester hours must have been achieved at ECC, excluding CLEP and proficiency credits.

4. Fulfill the requirements of Illinois Senate Bill 195 in one of the following ways:
   A. A transcript from an Illinois high school, college or university (or GED scores) which shows evidence that the Constitution requirement has been met since 1953 and is on file in the ECC Records Office;
   B. A passing grade in either Political Science 150 or U.S. History 151 at ECC or its equivalent at another Illinois college/university;
   C. Successful completion of a Constitution Review test at ECC.

5. Students may apply up to six hours of Independent Study credit toward any associate degree.

VOCATIONAL SPECIALIST CERTIFICATES

The college recommends that **all students** create an Educational Plan with a counselor in the ECC Counseling Center prior to registering. Students with previous academic, career and life experiences are encouraged to investigate the proficiency credit options to substitute their acquired knowledge for prerequisite, course and/or degree requirements.

These certificates are **not intended for transfer**. For information about courses in the curricula that will transfer see an ECC counselor.

1. CURRICULUM REQUIREMENTS

The student must satisfactorily complete all courses specified in the curriculum of their choice. For details about these curricula, see the Career & Technical Education Curricula and Course Description sections of this catalog.

A. For curricula with 30-50 total semester hours of credit, the Vocational Specialist Certificate is awarded.

Accounting/Office Technology
Administrative Office Assistant
Advanced Entrepreneurship
Computer Technical Support
Data Communications and Networking
Dental Assisting
Environmental Control Systems
Family Violence Counseling
Fire Science & Safety
First Cook
Heating AC & Refrigeration Level III
Hotel Management & Marketing
Hotel Management Operations
Human Services - Early Childhood Education
Human Services - Mental Health
Human Services - Substance Abuse Counseling
Information Processing Assistant
Intermediate Entrepreneurship
Legal Office Assistant
Machine Tool Operations
Medical Office Assistant
Mold Making
Pastry Chef Assistant
Practical Nursing
Public Safety Communications
Restaurant Operations
Sheet Metal Mechanics
Supervisory & Administrative Management
Surgical Technology
Welding

In most cases, the courses required for a Vocational Specialist Certificate may be applied toward an Associate of Applied Science Degree in the same field should the student wish to continue study. See an ECC counselor for details.

B. For curricula with 3-29 total semester hours, the Basic Vocational Specialist Certificate is awarded.

Advanced Web Design
Airbrush Design
Arc Welding
Auto-CAD
Automated Electronic Systems
Automotive Electrical Specialist
Baking Assistant
Basic Nurse Assistant Training Program
Brake & Suspension Specialist
CAD/Drafting
Clinical Laboratory Assistant
CNC Operator
Computer Office Assistant
Computer Service Technician
Culinary Management Cooks Helper
Data Entry Office Assistant
Dental Office Aide
Electrical Systems
Emergency Medical Technology-Paramedic
EMS
Engine Mechanical Repair Specialist
Engine Performance Specialist
Fire Officer I
Fire Science
Graphic Software Level I
Graphic Software Level II
Hazardous Materials & Apparatus
Heating AC & Refrigeration Level I
Heating AC & Refrigeration Level II
Hospitality
Information Processing Assistant
Introductory Entrepreneurship
Lead Baker
Management - Supervisory and Administrative Mgmt
Marketing
Mechanical Systems
MIG Welding
Montessori Early Childhood
Montessori Infant/Toddler
MOS Access Preparation
MOS Excel Preparation
MOS Powerpoint Preparation
MOS Word Preparation
Network Administration
Nurse-Legal Consultant
Office Assistant
Paralegal
Personal Trainer
Phlebotomy
Practicing Professional-ProE
Preclinical Dental Assisting
Prep Cook
Public Safety Communications
Retail Management
Thermoplastics Injection Molding
Tool & Die Making
Transmission & Drivetrain Specialist
Truck Driving
Truck Driving Owner/Operator
Visual Basic Programming
Web Design
Web Technician
Welding

In most cases, courses required for a Basic Vocational Specialist Certificate may be applied to the Vocational Specialist Certificate and/or the Associate of Applied Science Degree in the same field if the student wishes to continue study. See an ECC counselor for details.

2. COMMUNICATIONS REQUIREMENT

Unless a particular course is specified, students must choose communications courses from the list below **if they are required in the curriculum**. See the Curriculum and Course Description sections of this catalog for details about courses.

ENG 101	English Composition I	3
ENG 102	English Composition II	3
BUS 101	Business Communications	3
BUS 142	Report Writing	3

3. COLLEGE REQUIREMENTS

1. A minimum cumulative grade point average of 2.0 for all courses that are applied to the certificate.

2. Meet the college's Academic Residency requirement which means one-fourth of the curriculum requirements but no less than eight semester hours of credit must have been achieved at ECC, excluding CLEP and proficiency credits. If the certificate requires less than eight semester hours, all courses must be completed at ECC.