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, 107
      THE – Theatre 100, 122, 124

   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 103, 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.

   5. Students may apply up to six hours of Independent Study credit toward any associate degree.
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, FL5 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, 107
   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 PWH.

   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, 120, 125, 128, 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)

   F. Fine Arts..................................................... 9 sem. hrs.
      Select studio art courses from at least two of the following disciplines in consultation with an art faculty member:
      Photography, ART 120, *121
      Painting, ART 107, *108
      Ceramics, ART 105, *106
      Sculpture, ART 103, *104
      Printmaking, ART 113, *114
      Jewelry and Metalworking, ART 111, *112
      *Transferability of this course is dependent on a portfolio examination at the senior institution.

   G. Physical Education Course............................ 1 sem. hrs.
      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.
      Art History, ART 151, 152, and/or 153 (only one counts for IAI Art History course)
      Drawing, ART 101 and 102 (only one counts for IAI Drawing course)
      Two-Dimensional Design, ART 109 (only one counts for IAI Two-Dimensional Design course)
      Three-Dimensional Design, ART 110 (only one counts for IAI Three-Dimensional Design course)
      Life/Figure Drawing, ART 201 (only one counts for IAI Life/Figure Drawing course)

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, 242, 243, 245 (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
Music Performance Emphasis ............................. 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, DBP, ELC, or ESL prefix-es. The 60 hours total may include up to four hours of credit in Physical Education, courses prefixed by PHE, 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.

4. 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.

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

   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 111(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 - HIST 118(3), 160(3)
      HUM 115, 116 (only one counts as IAI Humanities course)
      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), 107(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)
      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 Sciences 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, DBP, 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.

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.
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 (for-1991 Ch. 144 sec. 189.21) or PA-87-581.

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.

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 243 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 115 Chemistry and Society..........................5
   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 and 113...........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 toward any associate degree.
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  Human Services
Automotive Service Technology  Early Childhood Education Option
Clinical Laboratory Technology  Family Violence Counseling Option
Computer Aided Design and  Mental Health Generalist Option
Drafting Technology  Substance Abuse Counseling Option
Computer & Information Sciences  Industrial Manufacturing Technology
Microcomputer Specialist  IST/Maintenance Technology
Criminal Justice  Machine Tool Technology
Culinary Management  Management
Culinary Arts  Marketing
Pastry Arts  Multimedia Design
Restaurant Management  Nursing
Entrepreneurship  Office Administration Technology
Environmental Control Systems  Administrative Office Professional Option
Fire Science and Safety  Legal Office Professional Option
Graphic Design  Medical Office Professional Option
Computerized Graphic Design Option  Information Processing Professional Option
Illustration Option (withdraw pending ICCB approval)  Retail Management
Heating, Air Conditioning, and Refrigeration  Paralegal
Hotel Management  Physical Therapist Assistant
Hotel Management  Radiography (pending ICCB approval)

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

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

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
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, DBP, 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
      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
      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
      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
      Web Design
      Web Technician
      Welding

   In most cases, courses required for a Basic Vocational Specialist Certificate may be applied toward 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.

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