



**Course Selection Guide AY 25-26**  
**For IL District 540 Secondary Schools**  
[heartland.edu/ecp/collegeNOW](http://heartland.edu/ecp/collegeNOW)  
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**EARLY COLLEGE OPPORTUNITIES**  
Heartland Community College

# General Education

Academic Year 2025-26

Reference: [Course Descriptions](#) | [Partnership Procedures](#) | [IAI GECC Requirements](#)

## INSTRUCTOR QUALIFICATIONS

A Qualified Master's Degree (QMD) in the discipline being taught in the specific undergraduate course OR any Master's degree with at least 18 graduate credit hours in courses specific to the content being taught in the undergraduate course. ([See Academic Credentialing Chart \(pdf\)](#))

### Communication & English

| Course Options                         | Credits | Capacity | Prerequisites/Placement          |
|--|---------|----------|----------------------------------|
| COMM 101: Intro to Oral Communication+ | 3       | 22-25    | Place at college-level Literacy  |
| ENGL 101: Critical Reading & Writing+  | 3       | 20-25    | Place at college-level Literacy  |
| ENGL 102: Multimodal Composition+      | 3       | 20-25    | Complete ENGL 101 w/ C or better |

+Course capacity can adjust within the range provided if the course meets more than 50 minutes per credit hour per week.

### Fine Arts

| Course Options               | Credits | Capacity | Prerequisites/Placement         |
|------------------------------|---------|----------|---------------------------------|
| ART 150: Understanding Art*  | 3       | 30       | Place at college-level Literacy |
| MUSI 150: Music Appreciation | 3       | 30       | Place at college-level Literacy |

\*Mature Content Warning: Course includes images of full nudity (male and female), violence, sex and sexuality. Images and discussions of these are very common and essential in beginning level college art courses.

### Humanities

| Course Options                     | Credits | Capacity | Prerequisites/Placement                  |
|------------------------------------|---------|----------|--|
| HUMA 101: Intro to the Humanities* | 3       | 30       | Place at college-level Literacy          |
| LITR 111: Intro to Literature+     | 3       | 24-25    | Complete <b>OR</b> co-enroll in ENGL 101 |

\*Course also counts in the Fine Arts section.

+Course capacity can adjust within the range provided if the course meets more than 50 minutes per credit hour per week.

### Life Sciences

| Course Options                 | Credits (WCH) | Capacity | Prerequisites/Placement   |
|--------------------------------|---------------|----------|---|
| BIOL 114: Contemporary Biology | 4 (5)         | 30       | Place at college-level English<br><b>OR</b> co-enroll in ENGL 99/101<br>*Completion of MATH 87 (formerly MATH 92) is encouraged for those who place into it |

#Weekly contact hours noted in ( ) if different than credit hours. One contact hour equals 50 minutes of instruction time



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## Mathematics

| Course Options   | Credits | Capacity | Prerequisites/Placement  |
|--|---------|----------|--|
| MATH 111: Finite Math<br>for Business and Social Science | 4       | 30       | Complete MATH 106 or 109 w/ a C or better<br><b>OR</b> place at MATH 111 or higher<br><b>AND</b> place at ENGL 099/101 or higher<br><b>OR</b> complete/co-enroll in GED 70   |
| MATH 131: Explorations in Mathematics                    | 3       | 30       | Complete MATH 94, 95, or 97 w/ a C or better<br><b>OR</b> place at MATH 131<br><b>OR</b> complete MATH 89 w/ a C or better<br><b>OR</b> co-enroll in MATH 89<br><b>AND</b> place at ENGL 99/101<br><b>OR</b> complete/co-enroll in GED 70  |
| MATH 136: Mathematics<br>for Elementary Teachers II      | 3       | 30       | Complete MATH 135 w/ a C or better   |
| MATH 141: Introduction to Statistics                     | 4       | 30       | Complete MATH 94, 95, or 97 w/ a C or better<br><b>OR</b> place at MATH 141 or higher<br><b>OR</b> complete MATH 89 w/ a C or better<br><b>OR</b> co-enroll in MATH 89<br><b>AND</b> place at ENGL 99/101<br><b>OR</b> complete/co-enroll in GED 70  |
| MATH 151: Calculus<br>for Business & Social Science      | 4       | 30       | Complete MATH 106 or 109 w/ a C or better<br><b>OR</b> place at MATH 151 or higher<br><b>AND</b> place at ENGL 099/101 or higher<br><b>OR</b> complete/co-enroll in GED 70   |
| MATH 161: Calculus I                                     | 4       | 30       | Complete MATH 109 & MATH 128 w/ C's or better<br><b>OR</b> complete MATH 129 w/ a C or better<br><b>OR</b> place at MATH 161<br><b>AND</b> complete MATH 098 w/ a C<br><b>OR</b> place out of Geometry<br><b>AND</b> place at ENGL 099/101 or higher<br><b>OR</b> complete/co-enroll in GED 70 |
| MATH 162: Calculus II                                    | 5       | 30       | Complete MATH 161 w/ a C or better   |
| MATH 163: Calculus III                                   | 4       | 30       | Complete MATH 162 w/ a C or better   |



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## Physical Sciences

| Course Options                       | Credits <sup>#</sup> | Capacity | Prerequisites/Placement  |
|--------------------------------------|----------------------|----------|--|
| CHEM 120: Fundamentals of Chemistry  | 4 (5)                | 30       | Completion of MATH 92, 95, or 97 w/ a C or better<br><b>OR</b> place at MATH 89 and 131/141 or higher<br><b>AND</b> place at college-level English<br><b>OR</b> co-enroll in ENGL 99/101 |
| CHEM 161: General Chemistry I        | 5 (7)                | 30       | High school/college-level CHEM course in the last 5 yrs <b>OR</b> complete CHEM 120 w/ a C or better<br><b>AND</b> complete MATH 109<br><b>OR</b> place at MATH 129 or higher            |
| EASC 101: Intro to Geology           | 4 (5)                | 30       | Place at college-level English<br><b>OR</b> co-enroll in ENGL 99/101   |
| EASC 111: Environment Earth          | 3                    | 30       | Place at college-level English<br><b>OR</b> co-enroll in ENGL 99/101   |
| EASC 122: Intro to Earth Science Lab | 1 (2)                | 30       | Complete <b>OR</b> co-enroll in EASC 111 or EASC 121   |

<sup>#</sup>Weekly contact hours noted in ( ) if different than credit hours. One contact hour equals 50 minutes of instruction time

## Social & Behavioral Sciences

| Course Options                            | Credits | Capacity | Prerequisites/Placement         |
|---|---------|----------|---------------------------------|
| ANTH 102: Intro to General Anthropology   | 3       | 30       | Place at college-level Literacy |
| HIST 101: Western Civilization to 1500    | 3       | 30       |                                 |
| HIST 102: Western Civilization since 1500 | 3       | 30       |                                 |
| HIST 135: History of the US to 1865       | 3       | 30       |                                 |
| HIST 136: History of the US since 1865    | 3       | 30       |                                 |
| POS 101: American Government & Politics   | 3       | 30       |                                 |
| PSY 101: Intro to Psychology              | 3       | 30       |                                 |
| SOC 101: Intro to Sociology               | 3       | 30       |                                 |



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# Transfer Electives

Academic Year 2025-26

Reference: [Course Descriptions](#) | [Partnership Procedures](#)

Instructor qualifications: A master's degree in-discipline or master's degree w/ a minimum of 18 in-discipline graduate hours.

| Course Options                                    | Credits ( WCH) | Capacity | Prerequisites/Placement  |
|---|----------------|----------|--|
| AGRI 104: Computer Applications in Agriculture    | 3 (4)          | 30       | N/A  |
| AGRI 110: Introductory Agricultural Economics     | 3              | 30       | <b>Semester-long offering:</b> Place at college level English<br><b>OR</b> co-enroll in ENGL 99/101<br>*High school or previous agriculture experience, or completion of AGRI 101 recommended<br><br><b>Year-long Offering:</b> None |
| AGRI 120: Introductory Horticulture               | 3              | 30       |  |
| AGRI 150: Principles of Agronomy                  | 4 (5)          | 30       |  |
| AGRI 157: Introductory Soil Science               | 4 (5)          | 30       | Complete high school/college-level chemistry course within the last 5 yrs<br><b>AND</b> place at college-level English<br><b>OR</b> co-enroll in ENGL 099/101  |
| AGRI 170: Introduction to Animal Science          | 4 (5)          | 30       | <b>Semester-long offering:</b> Place at college level English<br><b>OR</b> co-enroll in ENGL 99/101<br>*High school or previous agriculture experience, or completion of AGRI 101 recommended<br><br><b>Year-long Offering:</b> None |
| BUSN 110: Intro to Business                       | 3              | 30       | Place at college-level Literacy  |
| CHLD 101: Intro to Early Childhood                | 3              | 32       | Place at ENGL 99/101<br>(N/A for yearlong offering)  |
| CHLD 102: Growth & Development of the Young Child | 3              | 32       | Place at college level English<br><b>OR</b> co-enroll in ENGL 99/101<br>(N/A for yearlong offering)  |
| EDUC 101: Introduction to Education               | 3              | 30       | Place at college-level Literacy  |
| SCED 100: College Success*                        | 1              | 30       | N/A  |
| SCED 101: Career Success*                         | 1              | 30       |  |
| SCED 102: Personal Success*                       | 1              | 30       |  |
| SCED 105: Life Success*                           | 3              | 30       |  |
| SCED 110: Workplace Success*                      | 1              | 30       |  |

Weekly Contact Hours noted in ( ) if different than credit hours. One contact hour equals 50 minutes of instruction time.

\*A master's degree in any discipline meets the required instructor qualification to teach SCED courses.



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# Career-Technical Education

Academic Year 2025-26

Reference: [Course Descriptions](#) | [Partnership Procedures](#)

Instructor qualifications: Typically 2,000 work hours experience AND any additional pertinent certifications where applicable. (Exceptions are noted for applicable courses.)

## Administrative Office Professional | Business Technology

| Course Options                          | Credits (WCH) | Capacity | Prerequisites/Placement                  |
|---|---------------|----------|--|
| BTEC 115: Business Communications       | 3             | 30       | N/A                                      |
| BTEC 145: Employment Success Strategies | 1             | 30       | N/A                                      |
| BTEC 250: Small Business Management     | 3             | 30       | N/A                                      |
| CTEC 101: Introduction to Computers     | 3 (4)         | 30       | N/A                                      |
| CTEC 125: PowerPoint                    | 1             | 30       | N/A                                      |
| CTEC 136: Excel Level I                 | 1             | 30       | N/A                                      |
| CTEC 137: Excel Level II                | 1             | 30       | Complete <b>OR</b> co-enroll in CTEC 136 |
| CTEC 138: Excel Level III               | 1             | 30       | Complete <b>OR</b> co-enroll in CTEC 137 |
| CTEC 146: Access Level I                | 1             | 30       | N/A                                      |
| CTEC 147: Access Level II               | 1             | 30       | Complete <b>OR</b> co-enroll in CTEC 146 |
| CTEC 148: Access Level III              | 1             | 30       | Complete <b>OR</b> co-enroll in CTEC 147 |
| CTEC 156: Word Level I                  | 1             | 30       | N/A                                      |
| CTEC 157: Word Level II                 | 1             | 30       | Complete <b>OR</b> co-enroll in CTEC 156 |
| CTEC 158: Word Level III                | 1             | 30       | Complete <b>OR</b> co-enroll in CTEC 157 |
| CTEC 166: Outlook and OneNote           | 2             | 30       | N/A                                      |

Weekly Contact Hours (WCH) noted in ( ) if different than credit hours. One contact hour equals 50 minutes of instruction time.

## Digital Media | Computer Networking

| Course Options                                     | Credits (WCH) | Capacity | Prerequisites/Placement                  |
|--|---------------|----------|--|
| DMED 101: Intro to Digital Media                   | 3 (4)         | 18       | N/A                                      |
| DMED 110: Web Page Development                     | 3 (4)         | 18       | N/A                                      |
| DMED 120: Computer Imaging & Design                | 3 (4)         | 18       | N/A                                      |
| DMED 130: Media Design Fundamentals                | 3 (4)         | 18       | Complete <b>OR</b> co-enroll in DMED 120 |
| NETW 131: Introduction to Networks                 | 3 (4)         | 20       | N/A                                      |
| NETW 132: Switching, Routing & Wireless Essentials | 3 (4)         | 20       | Complete NETW 131 w/ a C or better       |
| NETW 150: Workstation Operating Systems            | 3 (4)         | 20       | N/A                                      |
| NETW 151: PC Hardware Maintenance & Repair         | 3 (4)         | 20       | N/A                                      |
| NETW 160: Intro to Networking                      | 3 (4)         | 20       | N/A                                      |
| NETW 167: Windows Server Administration            | 3 (4)         | 20       | Complete NETW 150 w/ a C or better       |

Weekly Contact Hours (WCH) noted in ( ) if different than credit hours. One contact hour equals 50 minutes of instruction time.

## Early Childhood Education

| Course Options  | Credits | Capacity | Prerequisites/Placement   |
|---|---------|----------|---------------------------|
| CHLD 202: Healthy, Safety & Nutrition for the Young Child | 3       | 32       | N/A for yearlong offering |

Instructor qualifications: Master's degree w/a minimum of 18 graduate hours in ECE or related field.



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## Electronic Vehicles & Energy Storage

| Course Options  | Credits (WCH) | Capacity | Prerequisites/Placement |
|---|---------------|----------|-------------------------|
| EVES 101: Introduction to Electric Vehicle Technology | 3 (4)         | 16       | N/A                     |
| EVES 110: Braking Systems 1                           | 2 (3)         | 16       |                         |
| EVES 115: Steering and Suspension Systems 1           | 2 (3)         | 16       |                         |

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## Health Sciences

| Course Options                         | Credits (WCH) | Capacity | Prerequisites/Placement    |
|--|---------------|----------|----------------------------|
| EMT 101: Emergency Medical Technician* | 8 (9)         | 25       | N/A                        |
| HLTH 110: Medical Terminology          | 3             | 30       | N/A for year-long offering |
| NURS 110: Nursing Assistant**          | 8 (11)        | 8        | N/A for year-long offering |

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\*Instructor qualifications for EMT 101: A current license as an EMT-B, EMT-I, EMT-P, RN or physician;

- a minimum of four years of experience in pre-hospital emergency care;
- at least two years of documented teaching experience; documented classroom teaching experience, i.e., BTLS, PHTLS, CPR, Pediatric Advanced Life Support (PALS);
- documented successful completion of the Illinois EMS Instructor Education Course or equivalent to the National Standard Curriculum for EMS Instructors.

\*\*Instructor qualifications for NURS 110: 2,000 work hours experience **AND** an active IL RN license **AND** current Train the Trainer (IDPH) certificate **OR** 2,000 work hours experience **AND** a BSN degree **AND** active IL RN license. Must have State-issued CNA instructor number.

## Industrial Technology

| Course Options                             | Credits (WCH) | Capacity | Prerequisites/Placement          |
|--|---------------|----------|----------------------------------|
| CAD 101: Intro to AutoCAD                  | 3 (4)         | 25       | N/A                              |
| CAD 110: CAD Software Applications         | 3 (4)         | 25       | Complete OR co-enroll in CAD 101 |
| CAD 235: CAD for Construction              | 3 (4)         | 16       | Complete OR co-enroll in CAD 101 |
| CNST 101: Construction Materials & Methods | 3 (4)         | 16       | N/A                              |
| MFTG 115: Operations Management            | 3 (4)         | 25       | N/A                              |
| TECH 114: Intro to Technical Graphics      | 3 (4)         | 20       | N/A                              |
| WELD 116: Shielded Metal Arc Welding I     | 3 (4)         | varies   | N/A                              |
| WELD 118: Intro to Gas Metal Arc Welding   | 3 (4)         | varies   | N/A                              |

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## Project Lead the Way

Up to 6 credit hours of PLTW courses may be used toward the Industrial Technology AAS or Certificate

| Course Options                              | Credits (WCH) | Capacity | Prerequisites/Placement |
|---|---------------|----------|-------------------------|
| TECH 121: Principles of Engineering         | 3 (4)         | 30       | N/A                     |
| TECH 122: Aerospace Engineering             | 3 (4)         | 30       | N/A                     |
| TECH 123: Biomedical Engineering            | 3 (4)         | 30       | N/A                     |
| TECH 124: Civil Engineering & Architecture  | 3 (4)         | 30       | N/A                     |
| TECH 125: Computer Integrated Manufacturing | 3 (4)         | 30       | N/A                     |
| TECH 126: Digital Electronics               | 3 (4)         | 30       | N/A                     |
| TECH 127: Engineering Design & Development  | 3 (4)         | 30       | N/A                     |

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