

Degree & Certificate Programs Offered at HCC

Associate in Arts and Associate in Science Degrees Associate in Engineering Science

The Associate in Arts (A.A.) and Associate in Science (A.S.) degrees represent the first two years of study for a bachelor's degree. The A.A. represents the first two years of study for students who plan to pursue a bachelor's degree in liberal arts. The A.S. program represents the first two years of study for students who plan to pursue a bachelor's degree in science. The third and fourth years of study are completed at a four-year college or university to which the student transfers after completion of the A.A. or A.S. at HCC.

The first two years of most four-year programs can be completed at Heartland through appropriate course selection. Students wishing to take the first two years of a transfer program not specifically listed should consult with an Academic Advisor to plan a program that will meet individual student needs. Because four-year institutions vary in their requirements, A.A. and A.S. students are strongly encouraged to meet with an Academic Advisor as soon as possible after admission to Heartland to determine the sequence of courses which will most successfully transfer to the four-year institution of their choice.

Associate of Arts in Teaching - Secondary Mathematics

The Associate of Arts in Teaching (AAT) - Secondary Mathematics degree provides the necessary initial preparation for transfer at the junior level into a teacher education program at a number of four-year public universities in Illinois. The components of this degree include: 62 credit hours in general education, professional education and mathematics courses, a minimum of 15 classroom observation hours at the different P-12 levels of schools and a passing score on the Illinois Basic Skills Test. Students in this degree program will also create and maintain an electronic portfolio which will contain artifacts that demonstrate successful aptitude with the standards necessary for transfer into a teacher education program.

The Associate in Engineering Science (A.E.S.) is a two-year program that prepares students for transfer into a baccalaureate engineering program. The A.E.S. program at Heartland Community College is composed of 62 credit hours and represents the first two years of a typical four-year program in engineering. During the two years of the A.E.S. program, students complete core courses in math, physics, chemistry and engineering mechanics that are required in most engineering curricula.

After a student completes the A.E.S. program, the student is prepared to fulfill the remaining requirements for a baccalaureate degree; these typically consist of electives specific to the selected engineering discipline.

Various transfer institutions may have different entrance requirements or may recommend slightly different course selections from those indicated in this catalog. Therefore, students should consult representatives of the college or university to which they intend to transfer before completing the A.E.S. program at HCC.

Associate in Applied Science Degree

Associate in Applied Science (A.A.S.) degrees are intended to prepare a student for immediate employment rather than for transfer. However, selected A.A.S. programs may be accepted for transfer by some universities. A.A.S. programs are offered in a broad range of career/technical fields. Courses within an A.A.S. degree are typically strongly sequential. Accordingly, students should work closely with an Academic Advisor in planning their studies.

Career/Technical Certificates

Certificates are typically composed of a series of technical courses and are issued upon completion of those courses.

AA – Associate of Arts*

AAS – Associate of Applied Science

AES – Associate of Engineering Science

E Cert – Expanded Certificate

AS – Associate of Science*

AAT – Associate of Arts in Teaching

Cert – Certificate

Program	AA/AS	AES	AS	AAS	AAT	Cert	E Cert	Page
Accounting Essentials						X		59
Agriculture	X							50
Art	X							46
Art Education	X							47
Biological Sciences	X							51
Business	X							58
Business Essentials I						X		60
Business Essentials II						X		60
Chemistry	X							52
Clinical Laboratory Science	X							53
Communication Graphics						X		84
Computer Aided Design (CAD)				X		X		76-77
Computer Maintenance Technician						X		91
Computer Network Security Specialist							X	79
Computer Networking Technology				X				80
Computer Networking Cisco Academy						X		78
Computer Networking Advanced Cisco Academy						X		79
Computer Networking: Advanced Windows							X	83
Computer Networking: Linux						X	X	83
Computer Networking: Windows						X		82
Computer Technology: Programming						X		93
Criminal Justice	X			X				32-33
Criminal Justice: Corrections						X		33
Digital Media Communication				X				85
Drafting Skills						X		88
Early Childhood Care & Education: Early Childhood Advanced						X		36
Early Childhood Care & Education: Early Childhood Basic						X		36
Early Childhood Care & Education: Family Child Care						X		37
Early Childhood Care & Education: Infant, Toddler, & Two-Year Old						X		37
Early Childhood Care & Education: School-Age						X		37
Early Childhood Care and Education				X				35
Early Childhood Education	X							34
Education								65-66
Paraprofessional Educator				X				65
Secondary Mathematics					X			66
Electrical Maintenance Skills						X		95
Electrical Maintenance Technology						X		95
Electrician Apprentice Program				X				89
Electronic Skills						X		91
Electronic Systems Technology				X				90
Emergency Medical Services						X		38
Engineering		X						55
English	X							48
Facilities Maintenance Skills						X		96
Facilities Maintenance Technology						X		96
History	X							67
Industrial Maintenance Technology						X		97
Information Technology				X				92

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Laborer Apprentice				X		X		98-99
Life and Health Insurance				X				68
Life and Health Insurance Basic						X		69
Life and Health Insurance Expanded							X	69
Machine Operations Skills						X		100
Machine Tool Technology						X		100
Maintenance Technology				X				94
Manufacturing Skills						X		102
Manufacturing Technology				X				101
Materials and Logistics Management						X		103
Mathematics	X							54
Mechanical Maintenance Skills						X		97
Medical Transcription						X		39
Microcomputer Applications				X		X		61-62
Nursing								40-43
Associate Degree Nursing				X				41
Mennonite College of Nursing at ISU			X					40
Practical Nursing						X		42
Nursing Assistant						X		43
Office Technology						X		63
PC Support Skills						X		93
Political Science	X							70
Psychology	X							71
Quality Technology						X		104
Radiologic Technology				X				44
Sales						X		63
Small Business Management						X		64
Social Work	X							72
Sociology	X							73
Web Application Developer						X		86
Web Media Designer						X		87
Welding Skills						X		105
Welding Technology						X		105

*HCC offers the first 2 years of most baccalaureate majors in addition to the ones listed here.