

INDIAN HILLS COMMUNITY COLLEGE

Career Connections

Career Academy Adult Program



Career Academy Adult Program

offered at the Keokuk County, Mahaska County and Fairfield Area Career Academies and the Des Moines Central Aviation Career Academy.

Are you interested in advancing your skills, career or college education? Now is the time to advance your skills and advance your life through Indian Hills Community College's Career Academy Adult Program (CAAP).

Program Description

The Career Academy Adult Program (CAAP) works in cooperation with the Keokuk and Mahaska County Career Academies and the Fairfield Area Career Academy to provide students with a framework of courses that will prepare them to complete degrees in Business, Computer Networks and Security, Digital Forensics, Electronic Engineering Technology, Entrepreneurship, Finance, Geospatial Technology, Health Sciences, Laser/Electro-Optics Technology, Machine Technology, Renewable Energy Technology, Robotics/Automation Technology and Welding Technology.

Students may also take individual classes to brush up on skills or receive certification. Students may take CAAP courses in either the morning or afternoon. In most cases, students who complete the CAAP curriculum will be able to earn their degree at Indian Hills with only one additional year of full-time study.

Students learn in a hands-on environment aligning them with career opportunities offered in their own communities. The academies have been offering this programming to high school juniors and seniors, and have now expanded to include adults.



Fairfield Area Career Academy

- * Business/Finance
- * Health Sciences
- * Industrial Maintenance

Keokuk County Career Academy

- * Health Sciences
- * Machine Technology
- * Precision Agriculture
- * Welding Technology

Mahaska County Career Academy

- * Computer Networks and Security
- * Engineering and Technology
- * Health Sciences



Des Moines Central Aviation Career Academy

- * Aviation Maintenance Technology
- * Aviation Pilot Training

Program Benefits

CAAP offers many benefits, including:

- * Flexible course schedules with morning or afternoon classes
- * Hands-on instruction
- * Opportunities to earn college credit toward your degree
- * Low tuition rates

Admissions Procedures

- (1) Explore the Indian Hills Community College Career Academy Adult Program at our website, www.indianhills.edu/CAAP to learn more.
- (2) Contact Luann Eakins at (800) 726-2585, ext. 5202, or (641) 683-5202 to apply for admission and register for courses.
- (3) Complete the Free Application for federal Student Aid (FAFSA), if you're interested in financial aid.

Frequently Asked Questions

Why Should I consider CAAP?

- * It's a convenient way to earn college credit close to home if you need to advance your skills or education for an existing job or to prepare for a new career.
- * You get a "jump Start" on a program of interest.

Is financial aid available?

It could be. Students are encouraged to complete the Free Application for Federal Student Aid (FAFSA) online at www.fafsa.gov to see if they qualify.

Will I be able to fit courses around my work schedule?

Classes are conveniently offered during mornings or afternoons. Indian Hills staff will be able to help you work classes into your schedule.

Are the CAAP courses similar to those offered on the Main Campus?

Yes. They are the same courses, but now they are being offered in your community. CAAP allows for an easy transition to the Main Campus when you are ready to complete your chosen academic program.

Are there fees that I may be responsible for?

It depends on what your goals are by enrolling in Career Connections. Textbooks are provided, but may be purchased upon completing courses.

Students may want to take the Certified Nursing Assistant (CNA) examination. The CNA registry examination fee is \$135.

Immunizations and a physical examination are required in courses with a clinical component. Students enrolled in courses with a clinical experience in a health care facility will be required to have a background check. Fees may apply for background checks, physical examinations and immunizations.



Aviation Maintenance Technology

offered at the Des Moines Central Aviation Career Academy

Course Title	Credits
FIRST YEAR	
FALL SEMESTER	
AVM105 Regulations and Publications	3
AVM119 Fundamentals of Physics	1
AVM103 Aircraft Materials and Processes	2
SPRING SEMESTER	
AVM101 Cleaning/Corrosion Control	2
AVM107 Weight and Balance	1
AVM109 Basic Electricity	4
AVM111 Ground Operations and Servicing	1
FIRST YEAR TOTAL	14
SECOND YEAR	
FALL SEMESTER	
AVM145 Aircraft Welding	1
AVM126 Airframe Structure/Repair	4
SPRING SEMESTER	
AVM123 Aircraft Assembly and Rigging	2
AVM141 Control Systems	1
AVM134 Aircraft Hydraulics/Pneumatics	2
SECOND YEAR TOTAL	10
THIRD YEAR	
FALL SEMESTER	
AVM113 Airframe Electrical Systems	3
AVM117 Avionics/Fire Protection	1
AVM121 Weather and Warning	1
AVM131 Airframe Inspection	1
SPRING SEMESTER	
AVM127 Aircraft Wood/Fabric/Finishes	2
AVM129 Landing Gear & Brake Systems	2
AVM137 Aircraft Instruments	1
THIRD YEAR TOTAL	11
TOTAL CREDITS	35

Upon successful completion of this two-year curriculum, students will be able to complete Associate of Applied Science degrees in Aviation Maintenance Technology at Indian Hills Community College.

Business and Finance

offered at the Fairfield Area Career Academy

<u>Course Title</u>	<u>Credits</u>
FIRST YEAR	
FALL TERM	
BUS102 Introduction to Business	3
CSC110 Introduction to Computers OR	3
SPC101 Fundamentals of Oral Communication	3
WINTER TERM	
MKT110 Principles of Marketing	3
MGT101 Principles of Management	3
SPRING TERM	
ECN120 Principles of Macroeconomics	3
BUS220 Introduction to International Business	3
FIRST YEAR TOTAL	18
SECOND YEAR	
FALL TERM	
ACC121 Principles of Accounting I	3
ENG111 Technical Writing	3
WINTER TERM	
ACC122 Principles of Accounting II	3
BUS204 Professionalism in the Workplace	3
SPRING TERM	
BUS188 Legal Environment of Business	3
BUS932 Internship	1
SECOND YEAR TOTAL	16
TOTAL CREDITS	34

Students completing the Business/Finance Academy curriculum will be able to complete an Associate of Arts or Associate of Science degree at Indian Hills Community College.

Computer Networks and Security

offered at the Mahaska County Career Academy

Course Title	Credits
FIRST YEAR	
FALL TERM	
ELT110 Electronics	2
NET122 Computer Hardware Basics	3
WINTER TERM	
NET780 Microcomputer Utilities	4
BCA185 Beginning Webpage Development	3
SPRING TERM	
NET451 Unix/Linux	2
CSC110 Introduction to Computers	<u>3</u>
FIRST YEAR TOTAL	17
SECOND YEAR	
FALL TERM	
NET615 Social Engineering	2
NET454 Advanced Unix/Linux	2
WINTER TERM	
NET310 Virtual Machines	3
NET725 Networking Essentials	3
SPRING TERM	
NET319 Microsoft Server	3
NET610 Security Fundamentals	<u>2</u>
SECOND YEAR TOTAL	15
TOTAL CREDITS	32

Upon successful completion of two years in the Computer Networks and Security curriculum, students will be able to complete Associate of Applied Science degrees in Computer Networks and Security, Computer Software Development and Digital Forensics at Indian Hills Community College.

Engineering and Technology

offered at the Mahaska County Career Academy

<u>Course Title</u>	<u>Credits</u>
FIRST YEAR	
FALL TERM	
ELT373 DC Circuit Analysis	4
MAT742 Technical Math	2
WINTER TERM	
ELT378 AC Circuit Analysis	4
MAT761 Technical Math for Electronics	2
SPRING TERM	
CSC110 Introduction to Computers	3
ELT550 Analog Devices	4
FIRST YEAR TOTAL	19
SECOND YEAR	
FALL TERM	
ELT580 Microelectronic Circuits	4
COM725 Workplace Communications	2
WINTER TERM	
EGT420 PLTW Digital Electronics	3
SPRING TERM	
ELT505 Power Transfer Technology	2
LEO101 Photonics Concepts	4
SECOND YEAR TOTAL	15
TOTAL CREDITS	34

Upon successful completion of two years in the Engineering and Technology curriculum, students will be able to complete Associate of Applied Science degrees in Agricultural/Biofuels Technology, Electronics Engineering Technology, Laser/Electro-Optics Technology and Robotics/Automation Technology at Indian Hills Community College.

Health Sciences

offered at the Fairfield Area, Keokuk County and
Mahaska County Career Academies

<u>Course Title</u>	<u>Credits</u>
FIRST YEAR	
FALL TERM	
CSC105 Computer Essentials	1
HSC113 Medical Terminology	2
PNN147 Nursing Essentials I	3
WINTER TERM	
PNN265 Nutrition	3
PSY111 Introduction to Psychology	3
SPRING TERM	
BIO175 Human Anatomy	3
BIO176 Human Anatomy Lab	1
PNN231 Pharmacology	3
FIRST YEAR TOTAL	19
SECOND YEAR	
FALL TERM	
PNN148 Nursing Essentials II	2
PNN401 Mental Health Nursing I	1
WINTER TERM	
PNN502 Nursing of Adults IA	1.5
PNN710 Nursing Clinical Experience IA	1.5
PSY121 Developmental Psychology	3
SPRING TERM	
BIO178 Human Physiology	3
BIO179 Human Physiology Lab	1
PNN503 Nursing of Adults IB	1.5
PNN713 Nursing Clinical IB	1
SECOND YEAR TOTAL	15.5
TOTAL CREDITS	34.5

Upon successful completion of two years in the Health Occupations Academy, students will be able to apply for acceptance into the third term of Indian Hills' Nursing program. Many of the credits can also be applied to other IHCC Health Sciences programs.

Industrial Maintenance Academy

offered at the Fairfield Area Career Academy

<u>Course Title</u>	<u>Credits</u>
FIRST YEAR	
FALL TERM	
ELT302 Principles of Electricity	2
IND110 CPR, First Aid and Safety	1
MAT762 Technical Math for Industry	2
WINTER TERM	
CSC105 Computer Essentials	1
ELT140 Electrical Systems I	2
ELT141 Electrical Systems II	2
SPRING TERM	
ELT136 Electrical Systems Analysis	2
ELT142 Electrical Systems III	2
ELT165 Industrial PLC Programming	1
FIRST YEAR TOTAL	15
SECOND YEAR	
FALL TERM	
IND120 Fluid Systems I	2
IND121 Fluid Systems II	2
WINTER TERM	
IND122 Fluid Systems III	2
IND140 Industrial Maintenance Drives	1
IND142 Industrial Maintenance Pumps	1
SPRING TERM	
ADM221 Career Development Skills	2
ELT731 Industrial Instrumentation	1
IND123 Fluid System Analysis	2
SECOND YEAR TOTAL	13
TOTAL CREDITS	28

Students will earn a Diploma in Industrial Maintenance Electrical Systems upon successful completion of all the first-year courses plus three more credits during the second year including ADM221 Career Development Skills plus any of the one credit courses included in the second year. Students will also earn a Diploma in Industrial Maintenance Fluid Power Systems upon successful completion of all the first and second year courses. Students may continue at Indian Hills Community College to complete their diploma in Commercial Refrigeration and Residential Heating/Cooling.

Machine Technology

offered at the Keokuk County Career Academy

Course Title	Credits
FIRST YEAR	
FALL TERM	
MFG121 Machine Trade Printreading I	2
MFG209 Machine Shop Practices	3
MFG222 Machine Operations I (1st half)	
WINTER TERM	
MFG131 Machine Trade Printreading II	2
MFG222 Machine Operations I (2nd half)	4
SPRING TERM	
EGT450 PLTW Computer Integrated Manufacturing	3
MFG262 Mill Operations Theory	3
FIRST YEAR TOTAL	17
SECOND YEAR	
FALL TERM	
MFG225 Machine Operations II	4
MFG254 Engine Lathe Theory	3
WINTER TERM	
MFG233 Machine Operations III	6
SPRING TERM	
CAD180 Introduction to Solidworks	2
MFG352 CNC Lathe Fundamentals	<u>2</u>
SECOND YEAR TOTAL	17
TOTAL CREDITS	34

Students completing the Machine Technology curriculum will be able to complete an Associate of Applied Science degree in Machine Technology at Indian Hills Community College.

Precision Agriculture
Curriculum

<u>Course Title</u>	<u>Credits</u>
FIRST YEAR _____	
FALL TERM	
AGP333 Precision Farming Systems	3
AGA154 Fundamentals of Soil Science	3
WINTER TERM	
EGT400 PLTW Intro to Engineering Design	3
SPRING TERM	
AGS113 Survey of Animal Industry	3
AGA114 Principles of Agronomy	<u>3</u>
FIRST YEAR TOTAL	15
 SECOND YEAR _____	
FALL TERM	
AGN130 Soil & Water Conservation	3
AGP450 Fundamentals of GIS	3
WINTER TERM	
AGA455 Organic Crop Production	3
AGB235 Introduction to Agriculture Markets	3
SPRING TERM	
ADM221 Career Development Skills	3
AGB802 Internship	<u>2</u>
SECOND YEAR TOTAL	17
TOTAL CREDITS	32

Welding Technology

offered at the Keokuk County Career Academy

Course Title	Credits
FIRST YEAR	
FALL TERM	
MAT762 Technical Math for Industry	2
WEL150 Arc Welding I (SMAW)	2
WEL151 Common Arc Welding Processes	2
WINTER TERM	
WEL110 Welding Blueprint Reading	2
WEL120 Oxy Fuel Welding and Cutting	2
WEL190 Gas Tungsten Arc Welding	<u>2</u>
SPRING TERM	
WEL181 Gas Metal Arc Welding	2
WEL201 Procedures and Qualifications	1
WEL202 Discontinuities and Defects	1
FIRST YEAR TOTAL	16
SECOND YEAR	
FALL TERM	
WEL173 Advanced Welding Procedures I	3
WEL182 FCAW	2
WINTER TERM	
WEL174 Advanced Welding Procedures II	3
WEL200 Metallurgy Fundamentals	2
SPRING TERM	
ADM221 Career Development Skills	2
WEL211 Production Welding Procedures	<u>4</u>
SECOND YEAR TOTAL	16
TOTAL CREDITS	32

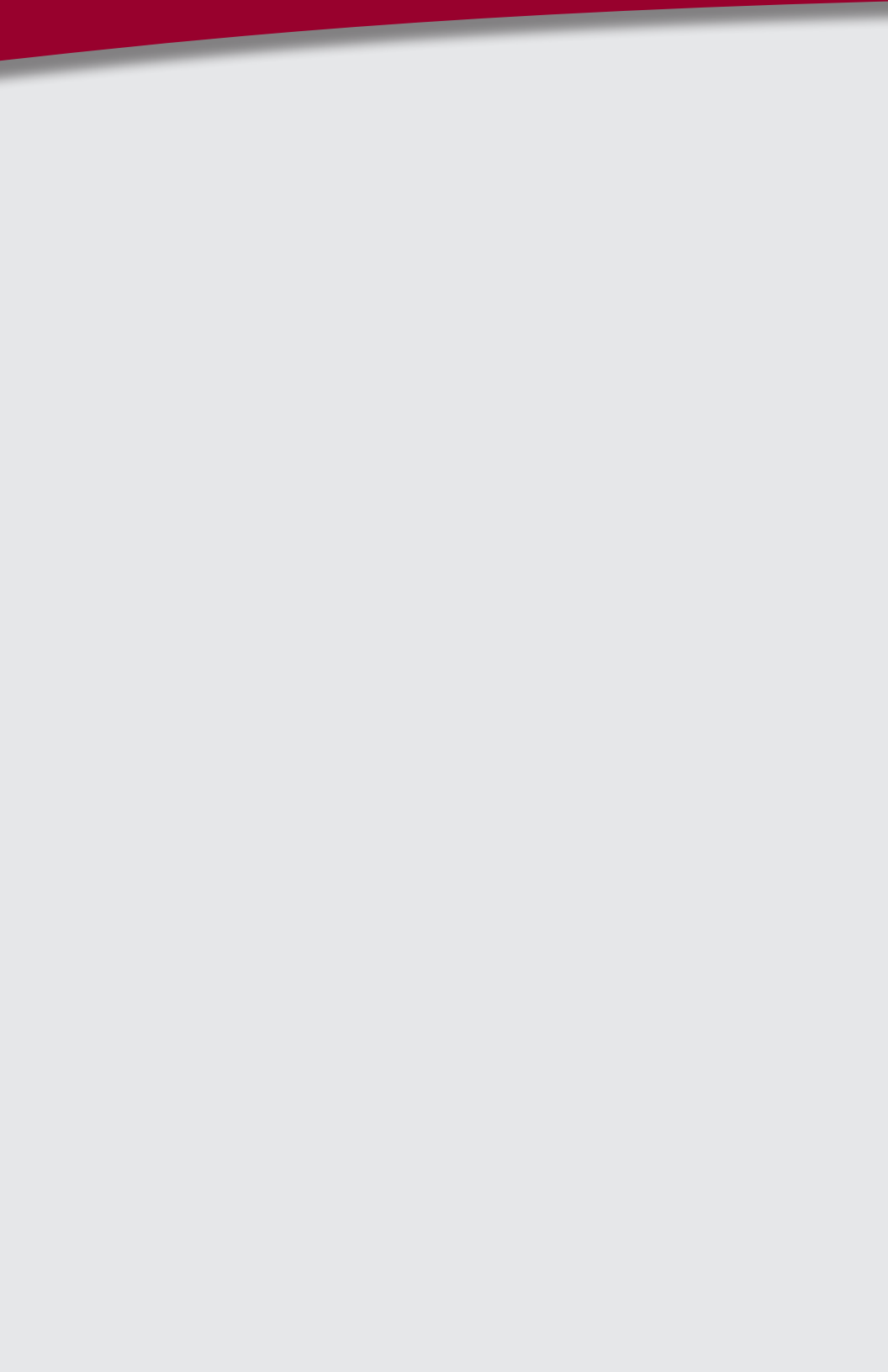
Students completing the Welding Technology curriculum will receive a diploma in Welding Technology from Indian Hills Community College. They will also be able to complete an Associate of Applied Science degree at Indian Hills.



Indian Hills is accredited by the Higher Learning Commission. 30 North LaSalle St., Ste 2400; Chicago, Illinois 60602-2504; 312/263-0456; 800/621-7440; FAX: 312/263-7462; Internet: www.ncahigherlearningcommission.org

Equal Opportunity: Indian Hills Community College provides equal educational and employment opportunities and does not illegally discriminate on the basis of gender, race, religion, national origin, creed, age, marital status, or disability in its educational programs, activities, or its employment and personnel policies. Inquiries or grievances related to this policy may be directed to: Bonnie Campbell, Dean of Human Resources/Equity Coordinator, IHCC, 525 Grandview, Ottumwa, Iowa 52501.

Disabilities: Individuals with disabilities who require accommodations or special services should contact the IHCC SUCCESS Center for assistance. Services are available to students who may need classroom accommodations, interpreters, and/or specialized equipment. All student requests are dealt with in a confidential manner. Students should contact the Ottumwa SUCCESS Center at (800) 726-2585, ext. 5238. Centerville students should contact the Centerville SUCCESS Center at (800) 670-3641, ext. 2232. All students may contact the Dean of Academic Services at (800) 726-2585, ext. 5218.





Fairfield Area Career Academy
401 W. Stone Ave., Fairfield

Keokuk County Career Academy
907 E. Pleasant Valley St., Sigourney

Mahaska County Career Academy
508 S. Seventh St., Oskaloosa

Des Moines Central Aviation Career Academy
Des Moines

www.indianhills.edu/CAAP

(800) 726-2585, ext. 5202