ACCOUNTING ASSISTANT, BUSINESS SPECIALIST/ACCOUNTING, COMPUTER ACCOUNTING

“Be audit you can be!” Behind every good business, is a GREAT accountant! Being able to master the skills to get you there at Indian Hills is Life. Changing!

YEAR ONE

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AWARD: COMPUTER ACCOUNTING DIPLOMA

*Optional 10:00 – 11:50 classes are available for Senior students. These classes are available to students who wish to accelerate their college career even further. Check with your assigned IHCC mentor to see if this plan would be appropriate for you.

**Choose either SPC 101 (Fundamentals of Oral Communication) or SPC 112 (Public Speaking)
# Accounting Assistant Curriculum

**Diploma** | Total Credits: 46 | Location: Ottumwa Campus | Start Terms: All Terms

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| OPTIONAL COURSE |
| BUS 128 | Foundation to Entrepreneurship 3 |

# Business Specialist/Accounting Curriculum

**Associate of Applied Science Degree** | Total Credits: 70 | Location: Ottumwa Campus | Start Terms: All Terms

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| OPTIONAL COURSE |
| BUS 128 | Foundation to Entrepreneurship 3 |

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*PERCENTAGE DOESN'T INCLUDE OPTIONAL COURSE.

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2018-19 College Catalog and Student Handbook. Curriculum is subject to change.

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DID YOU KNOW THAT IF YOU'RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A $1,000 SCHOLARSHIP TO INDIAN HILLS

CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS
AGRICULTURAL/BIOFUELS PROCESS TECHNOLOGY

Fermentation processes take nutrients and energy from renewable sources to create a number of products. We'll teach you to use your acquired knowledge in a number of disciplines to help fuel people around the globe.

YEAR ONE

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<th>TERM</th>
<th>CLASS</th>
<th>NAME</th>
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CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS

It is the policy of Indian Hills Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family, or marital status in its programs, activities, or employment practices as required by the Iowa Code §§926.6 and 26.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. § 2000d and 2000e), the Equal Pay Act of 1963 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. § 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Director, Human Resources/Equity Coordinator (staff), 525 Grandview Ave, Ottumwa, IA 52501, 633-5908, hrequity@indianhills.edu; Dean, Student Affairs (students), 633-5905, sstudentaffairs@indianhills.edu; Dean, Learning Services (students with disabilities), 633-5944, learningservices@indianhills.edu; U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60606, phone number 312/730-1560, fax 312/730-1576.
### Agriculture/Biofuels Process Technology Curriculum

**Associate of Applied Science Degree** | Total Credits: 73 | Location: Ottumwa Campus | Start Term: Fall Term

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<td>Introduction to Physics</td>
<td>2</td>
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<tr>
<td>XXX XXX</td>
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</table>

**TOTAL CREDITS: 9**

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2018-19 College Catalog and Student Handbook. Curriculum is subject to change.
# AUTOMOTIVE TECHNOLOGY

Like to work with your hands? We do too. Don’t sit at a desk when you could be driving, racing, fixing, rebuilding, restoring, aligning, and recharging! Join our program today and make your next customer's experience Life. Changing!

## YEAR ONE

<table>
<thead>
<tr>
<th>TERM</th>
<th>CLASS</th>
<th>NAME</th>
<th>CREDITS</th>
<th>DAYS</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>AUT 114</td>
<td>Shop Fund &amp; Minor Service</td>
<td>4</td>
<td>MTWTH</td>
<td>08:00 - 09:50</td>
</tr>
<tr>
<td>WINTER</td>
<td>AUT 404</td>
<td>Automotive Suspension and Steering</td>
<td>4</td>
<td>MTWTH</td>
<td>08:00 - 09:50</td>
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<tr>
<td>SPRING</td>
<td>CRR 310</td>
<td>Adapters, Tools and Measurements (1st 6wks)</td>
<td>1</td>
<td>MTWTH</td>
<td>08:00 - 08:50</td>
</tr>
<tr>
<td></td>
<td>AUT 701</td>
<td>Basic Automotive Air Conditioning (2nd 6wks)</td>
<td>1</td>
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<td>08:00 - 08:50</td>
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<tr>
<td></td>
<td>AUT 502</td>
<td>Automotive Brake Systems</td>
<td>2</td>
<td>MTWTH</td>
<td>09:00 - 09:50</td>
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## YEAR TWO

<table>
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<tr>
<th>TERM</th>
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<th>DAYS</th>
<th>TIME</th>
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<tbody>
<tr>
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<td>AUT 607</td>
<td>Basic Auto Electricity/Electronics</td>
<td>4</td>
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<td>08:00 - 09:50</td>
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<td></td>
<td>DSL 848</td>
<td>Diesel Guidance Systems</td>
<td>3</td>
<td>MTWTH</td>
<td>10:00 - 10:50</td>
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<tr>
<td></td>
<td>DSL 602</td>
<td>Principles of Hydraulics</td>
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<td>11:00 - 11:50</td>
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<tr>
<td>WINTER</td>
<td>AUT 155</td>
<td>Automotive Engine Design and Systems</td>
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<td>MW</td>
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<td>SPC 101</td>
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<td>AUT 172</td>
<td>Advanced Automotive Engine Repair</td>
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<td>ADM 218</td>
<td>Initiating the Career Search</td>
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<tr>
<td>SPRING</td>
<td>CSC 110</td>
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<td>MW or TH</td>
<td>08:00 - 09:50</td>
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<tr>
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<td>XXX XXX</td>
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<td>MW or TH</td>
<td>08:00 - 09:50</td>
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<td></td>
<td>AUT 130</td>
<td>Automotive Maintenance and Inspection Procedures</td>
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<td>MTWTH</td>
<td>10:00 - 10:50</td>
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<tr>
<td></td>
<td>MAT 772</td>
<td>Applied Math</td>
<td>3</td>
<td>MTWTH</td>
<td>11:00 - 11:50</td>
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**AWARD:** AUTOMOTIVE MAINTENANCE CERTIFICATE

---

DID YOU KNOW THAT IF YOU'RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A 💰$1,000 SCHOLARSHIP TO INDIAN HILLS💰

CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS

---

*AWARD:* AUTOMOTIVE MAINTENANCE CERTIFICATE

---

If you have questions or concerns related to compliance with this policy, please contact Director, Human Resources/Equity Coordinator (Staff), 525 Grandview Ave, Ottumwa, IA 52501, 683-9506, hrsequity@indianhills.edu; Dean, Student Affairs (students), 683-5035, studentsequity@indianhills.edu; Dean, Learning Services (students with disabilities), 683-5574, learningsequity@indianhills.edu; U.S. Department of Education, Civil Rights Center, 400 Independence Ave., Suite 300, Washington, DC 20206, phone number 1-800-879-3352, 800-230-6366 (TDD), or TTY, or via email at OCR@ed.gov.
### Automotive Technology Curriculum

**Associate of Applied Science Degree** | Total Credits: 83 | Location: Ottumwa Campus | Start Terms: Fall and Spring Terms

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<tr>
<th>TERM</th>
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<th>TOTAL CREDITS: 13</th>
<th>TOTAL CREDITS: 15</th>
<th>TOTAL CREDITS: 13</th>
<th>TOTAL CREDITS: 11</th>
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<tr>
<td><strong>TERM I</strong></td>
<td>AUT 114 Shop Fund &amp; Minor Service 4</td>
<td>BUS 128</td>
<td>AUT 290 NVH and Aftermarket 2</td>
<td>AUT 222 Basic Automotive Drive Lines 2</td>
<td>AUT 204 Automotive Automatic Transmissions/Transaxles 4</td>
<td>ADM 218 Initiating the Career Search 1</td>
<td>AUT 848 Automotive Engine Drivability Diagnosis 4</td>
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<td>AUT 130 Automotive Maintenance and Inspection Procedures 2</td>
<td></td>
<td>AUT 404 Automotive Suspension and Steering 4</td>
<td>AUT 224 Automotive Drive Lines and Repair Procedures 2</td>
<td>AUT 218 Automotive Automatic Transmissions/Transaxle Service 5</td>
<td>AUT 155 Automotive Engine Design and Systems 2</td>
<td>AUT 851 Automotive Engine Performance Diagnosis 3</td>
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<td>AUT 701 Basic Automotive Air Conditioning 1</td>
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<td>MAT 772 Applied Math 3</td>
<td>AUT 882 Automotive Lab II 3</td>
<td>CSC 110 Introduction to Computers 3</td>
<td>AUT 833 Automotive Fuel Systems 3</td>
<td>AUT 884 Automotive Lab IV 2</td>
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<td>CRR 310 Adapters, Tools and Measurements 1</td>
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<td>XXX XXX Approved Scientific Systems Course 3</td>
<td>XXX XXX Approved Communications Course 3</td>
<td>XXX XXX Approved Culture Course 3</td>
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| **TERM II** | TOTAL CREDITS: 12                          | OPTIONAL COURSE | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| TOTAL CREDITS: 10                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| **TERM III** | TOTAL CREDITS: 10                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| TOTAL CREDITS: 10                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| **TERM IV** | TOTAL CREDITS: 13                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| TOTAL CREDITS: 10                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| **TERM V** | TOTAL CREDITS: 15                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| TOTAL CREDITS: 10                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| **TERM VI** | TOTAL CREDITS: 13                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| TOTAL CREDITS: 10                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| **TERM VII** | TOTAL CREDITS: 11                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |
| TOTAL CREDITS: 10                          | BUS 128         | TOTAL CREDITS: 12                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 15                          | TOTAL CREDITS: 13                          | TOTAL CREDITS: 11                          |

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2018-19 College Catalog and Student Handbook. Curriculum is subject to change.
BUSINESS SPECIALIST

Are you ready to be sitting at a desk in an office organizing paperwork, greeting customers, and managing all the things that make an office run efficiently? Then we are ready to lead your way to a Life. Changing. career in Office Management at Indian Hills!

<table>
<thead>
<tr>
<th>YEAR ONE</th>
<th>TERM</th>
<th>CLASS</th>
<th>NAME</th>
<th>CREDITS</th>
<th>DAYS</th>
<th>TIME</th>
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<td>CSC 110</td>
<td>Introduction to Computers</td>
<td>3</td>
<td>MW</td>
<td>08:00 - 09:50</td>
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<td></td>
<td>ACC 121</td>
<td>Principles of Accounting I</td>
<td>3</td>
<td>TTH</td>
<td>08:00 - 09:50</td>
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<td>WINTER</td>
<td>ADM 133</td>
<td>Business Math and Calculators</td>
<td>3</td>
<td>MW</td>
<td>08:00 - 09:50</td>
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<tr>
<td></td>
<td>BCA 142</td>
<td>Spreadsheets</td>
<td>3</td>
<td>TTH</td>
<td>08:00 - 09:50</td>
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<td>SPRING</td>
<td>ACC 311</td>
<td>Computer Accounting</td>
<td>3</td>
<td>MW</td>
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<tr>
<td></td>
<td>SPC XXX</td>
<td>Speech Elective*</td>
<td>3</td>
<td>TTH</td>
<td>08:00 - 09:50</td>
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<tr>
<td></td>
<td>ADM 108</td>
<td>Keyboarding Skill Development</td>
<td>1</td>
<td>WWW</td>
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<th>TIME</th>
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<td>Word Processing</td>
<td>3</td>
<td>MW</td>
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<td>ACC 160</td>
<td>Payroll Accounting</td>
<td>2</td>
<td>TTH</td>
<td>08:00 - 09:50</td>
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<tr>
<td></td>
<td>MAT XXX</td>
<td>Approved Mathematical Reasoning Course</td>
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<td>10:00 - 11:50</td>
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</tr>
<tr>
<td></td>
<td>ADM 159</td>
<td>Proofreading and Editing</td>
<td>3</td>
<td>TTH</td>
<td>10:00 - 11:50</td>
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<td>WINTER</td>
<td>ADM 162</td>
<td>Office Procedures</td>
<td>3</td>
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<td>ENV 105</td>
<td>Introduction to Environmental Science (Lecture)</td>
<td>2</td>
<td>TTH</td>
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<td>ENV 106</td>
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<td>ADM 123</td>
<td>Document Formatting</td>
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<td>WWW</td>
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<td>BUS 128</td>
<td>Foundation to Entrepreneurship</td>
<td>3</td>
<td>WWW</td>
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<tr>
<td>SPRING</td>
<td>BCA 167</td>
<td>Comprehensive Databases</td>
<td>3</td>
<td>MW</td>
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<td>ENG 101</td>
<td>Elements of Writing</td>
<td>3</td>
<td>TTH</td>
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<td>ADM 221</td>
<td>Career Development Skills</td>
<td>2</td>
<td>WWW</td>
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<td>MW/TTH</td>
<td>10:00 - 11:50</td>
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<td>ECN 120</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
<td>MW/TTH</td>
<td>10:00 - 11:50</td>
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</table>

*Choose either SPC 101 (Fundamentals of Oral Communication) or SPC 112 (Public Speaking)*

**Optional 10:00 – 11:50 classes are available for Senior students. These classes are available to students who wish to accelerate their college career even further. Check with your assigned IHCC mentor to see if this plan would be appropriate for you.

AWARD: BUSINESS SPECIALIST DIPLOMA

It is the policy of Indian Hills Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family, or marital status in its programs, activities, or employment practices as required by the Iowa Code §§216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.). If you have questions or complaints related to compliance with this policy, please contact Director, Human Resources/Equity Coordinator (OffA), 525 Grandview Ave, Ottumwa, IA 52501, 683-5008, hrequity@indianhills.edu; Dean, Student Affairs (students), 683-5050, studentsequity@indianhills.edu; Dean, Learning Services (students with disabilities), 683-5734, learningservicesequity@indianhills.edu; U.S. Department of Education, Citigroup Center, 500 N. W. Madison. Suite 1475, Chicago, IL, 60606, phone number 312/730-1560, fax 312/730-1576.
DID YOU KNOW THAT IF YOU'RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A $1,000 SCHOLARSHIP TO INDIAN HILLS
CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS

Business Specialist Curriculum

Diploma | Total Credits: 38 | Location: Ottumwa and Centerville Campuses | Start Terms: All Terms

TERM I TOTAL CREDITS: 13
ACC 121 Principles of Accounting I 3 ✓
ADM 108 Keyboarding Skill Development 1 ✓
ADM 133 Business Math and Calculators 3 ✓
BCA 142 Spreadsheets 3 ✓
CSC 110 Introduction to Computers 3 ✓

TERM II TOTAL CREDITS: 11
ACC 160 Payroll Accounting 2 ✓
ADM 162 Office Procedures 3 ✓
BCA 134 Word Processing 3 ✓
SPC 101 Fundamentals of Oral Communication 3 ✓
Public Speaking (SPC 112) 3 ✓

TERM III TOTAL CREDITS: 14
ACC 311 Computer Accounting 3 ✓
ADM 123 Document Formatting 3 ✓
ADM 221 Career Development Skills 2 ✓
BCA 167 Comprehensive Databases 3 ✓
ENG 101 Elements of Writing 3 ✓

OPTIONAL COURSE
BUS 128 Foundation to Entrepreneurship 3 ✓

Business Specialist/Office Management Curriculum

Associate of Applied Science Degree | Total Credits: 72 | Location: Ottumwa Campus | Start Terms: All Terms

TERM I TOTAL CREDITS: 13
ACC 121 Principles of Accounting I 3 ✓
ADM 108 Keyboarding Skill Development 1 ✓
ADM 133 Business Math and Calculators 3 ✓
BCA 142 Spreadsheets 3 ✓
CSC 110 Introduction to Computers 3 ✓

TERM II TOTAL CREDITS: 14
ACC 160 Payroll Accounting 2 ✓
ACC 311 Computer Accounting 3 ✓
ADM 162 Office Procedures 3 ✓
BCA 134 Word Processing 3 ✓
BCA 178 Presentation Software 3 ✓

TERM III TOTAL CREDITS: 12
ADM 123 Document Formatting 3 ✓
BCA 167 Comprehensive Databases 3 ✓
ENG 101 Elements of Writing 3 ✓
XXX XXX Approved Mathematical Reasoning Course 3 ✓

TERM IV TOTAL CREDITS: 13
ADM 148 Transcription 2 ✓
BCA 138 Advanced Word Processing Applications 3 ✓
ENG 105 Composition I 3 ✓
XXX XXX Approved Scientific Systems Course 3 ✓
XXX XXX Approved Elective 2 ✓

TERM V TOTAL CREDITS: 10
ADM 159 Proofreading and Editing 3 ✓
ADM 221 Career Development Skills 2 ✓
SPC 101 Fundamentals of Oral Communication 3 ✓
Public Speaking (SPC 112) 3 ✓
XXX XXX Approved Elective 2 ✓

TERM VI TOTAL CREDITS: 10
ADM 180 Administrative Management 3 ✓
ADM 900 Internship 4 ✓
Individual Projects (ADM 929) 4 ✓
XXX XXX Approved Culture Course 3 ✓

OPTIONAL COURSE
BUS 128 Foundation to Entrepreneurship 3 ✓

2018-19 College Catalog and Student Handbook. Curriculum is subject to change.
# Computer Networks and Security

“A journey of a thousand miles begins with a single step.” Take the first step to your “Life. Changing” career by becoming a graduate of the Computer Networks and Security Program at Indian Hills Community College!

## Year One

<table>
<thead>
<tr>
<th>Term</th>
<th>Class</th>
<th>Name</th>
<th>Credits</th>
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<td>3</td>
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<td>NET 786</td>
<td>Fundamentals of Desktop Support</td>
<td>4</td>
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<td>ELT 110</td>
<td>Electronics</td>
<td>2</td>
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<td>CSC 110</td>
<td>Introduction to Computers</td>
<td>3</td>
<td>TTH</td>
<td>08:00 - 09:50</td>
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## Year Two

<table>
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<tr>
<th>Term</th>
<th>Class</th>
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<td>BCA 185</td>
<td>Beginning Webpage Development</td>
<td>3</td>
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<td>NET 610</td>
<td>Security Fundamentals</td>
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<td>Winter</td>
<td>NET 725</td>
<td>Networking Essentials</td>
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<tr>
<td></td>
<td>XXX XXX</td>
<td>Approved Scientific Systems Course</td>
<td>3</td>
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<td>10:00 - 11:50</td>
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<td>Virtual Machines</td>
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<td>Linux Operating System</td>
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<td>ENG 111</td>
<td>Technical Writing</td>
<td>3</td>
<td>WWW</td>
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</table>

DID YOU KNOW THAT IF YOU’RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A $1,000 SCHOLARSHIP TO INDIAN HILLS
CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS
## Computer Networks and Security Curriculum

**Associate of Applied Science Degree** | Total Credits: 84-85 | Location: Ottumwa Campus | Start Terms: Fall and Spring Terms

<table>
<thead>
<tr>
<th>Term</th>
<th>Total Credits</th>
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<td>Network Attacks: Detection, Analysis and Countermeasures</td>
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**Optional Course**
- BUS 128 | Foundation to Entrepreneurship | 3

2018-19 College Catalog and Student Handbook. Curriculum is subject to change.
**COMPUTER SOFTWARE DEVELOPMENT**

Design applications with a purpose! Change solutions one line of code at a time! Let’s create something Life Changing!

<table>
<thead>
<tr>
<th>YEAR ONE</th>
<th>term</th>
<th>class</th>
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<td>TTH</td>
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*General Electives (Culture, Communications, Math, Science) or available Software Development Emphasis Options.

**Optional 10:00 - 11:50 classes are available for Senior students. These classes are available to students who wish to accelerate their college career even further. Check with your assigned IHCC mentor to see if this plan would be appropriate for you.

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If you have questions or complaints related to compliance with this policy, please contact Director, Human Resources/Equal Opportunity Coordinator (staff): 525 Grandview Ave., Ottumwa, IA 52501, 683-5108, hrecipes@indianhills.edu; Dean, Student Affairs (students): 683-5101, studdean@indianhills.edu; Dean, Learning Services (students with disabilities): 683-5104, learningservices@indianhills.edu; U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60606, phone number 312/730-1560, fax 312/730-1576.

DID YOU KNOW THAT IF YOU’RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A $1,000 SCHOLARSHIP TO INDIAN HILLS
CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS
# Computer Software Development Curriculum

**Associate of Applied Science Degree | Total Credits: 79-83 | Location: Ottumwa Campus | Start Terms: All Terms**

## TERM I

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<td>BCA 185</td>
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<td>CIS 121</td>
<td>Intro to Programming Logic</td>
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<td>CSC 110</td>
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**TOTAL CREDITS: 11**

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**TOTAL CREDITS: 12**

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**TOTAL CREDITS: 10-12**

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**TOTAL CREDITS: 12**

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**TOTAL CREDITS: 11-12**

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## EMPHASIS OPTIONS REQUIRED COURSES

**MOBILE DEVELOPMENT**

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<td>CIS 284</td>
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<td>CIS 456</td>
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**WEBPAGE DEVELOPMENT**

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**MAINFRAME PROGRAMMING**

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**ADDITIONAL EMPHASIS OPTIONS AVAILABLE**

ACC 121, ACC 122, BUS 104, BUS 128, CIS 183, CIS 750

---

**53% COMPLETED**

INCLUDES THREE EMPHASIS COURSES

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If you eat it, wear it, play with it, or drive it, odds are it was delivered by a diesel! But diesel is more than just trucks; it's the driving force behind today's Life. Changing technology! Put a driving force behind your career today, by joining the Diesel Technology Program at Indian Hills Community College!

### YEAR ONE

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### YEAR TWO

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<td>08:00 - 09:50</td>
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<tr>
<td></td>
<td>AUT 130</td>
<td>Automotive Maintenance and Inspection</td>
<td>2</td>
<td>MTWTH</td>
<td>10:00 - 10:50</td>
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</tbody>
</table>
## Diesel Technology Curriculum

**Associate of Applied Science Degree** | Total Credits: 77-84 | Location: Ottumwa Campus | Start Terms: Fall and Spring Terms

### TERM I

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AUT 607</td>
<td>Basic Auto Electricity/Electronics</td>
<td>4</td>
</tr>
<tr>
<td>AUT 701</td>
<td>Basic Automotive Air Conditioning</td>
<td>1</td>
</tr>
<tr>
<td>CRR 310</td>
<td>Adapters, Tools and Measurements</td>
<td>1</td>
</tr>
<tr>
<td>DSL 602</td>
<td>Principles of Hydraulics</td>
<td>2</td>
</tr>
<tr>
<td>DSL 848</td>
<td>Diesel Guidance Systems</td>
<td>3</td>
</tr>
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**TOTAL CREDITS: 11**

### TERM II

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>AUT 143</td>
<td>Machining for Automotive Mechanics</td>
<td>2</td>
</tr>
<tr>
<td>AUT 172</td>
<td>Advanced Automotive Engine Repair</td>
<td>2</td>
</tr>
<tr>
<td>AUT 222</td>
<td>Basic Automotive Drive Lines</td>
<td>2</td>
</tr>
<tr>
<td>AUT 642</td>
<td>Automotive Charging, Starting and Electrical Systems</td>
<td>2</td>
</tr>
<tr>
<td>DSL 325</td>
<td>Introduction to Diesel</td>
<td>2</td>
</tr>
<tr>
<td>MAT 772</td>
<td>Applied Math</td>
<td>3</td>
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**TOTAL CREDITS: 13**

### TERM III

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<tbody>
<tr>
<td>DSL 534</td>
<td>Drive Trains</td>
<td>4</td>
</tr>
<tr>
<td>DSL 599</td>
<td>Brakes, Tires and Alignment</td>
<td>2</td>
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<tr>
<td>XXX XXX</td>
<td>Approved Culture Course</td>
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**TOTAL CREDITS: 9**

### TERM IV

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>CSC 110</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>DSL 421</td>
<td>Electronic Engine Controls</td>
<td>4</td>
</tr>
<tr>
<td>DSL 742</td>
<td>Air Conditioning/Refrigeration</td>
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</table>

**TOTAL CREDITS: 9**

### TERM V

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ADM 218</td>
<td>Initiating the Career Search</td>
<td>1</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Approved Communications Course</td>
<td>3</td>
</tr>
<tr>
<td>Option 1</td>
<td>Locomotive Engine Disassembly (DSL 373) [AND]</td>
<td>3</td>
</tr>
<tr>
<td>Option 2</td>
<td>Intro. To Locomotive Engines (DSL 319) [AND]</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Intro. To Locomotive Electrical (DSL 146)</td>
<td>2</td>
</tr>
<tr>
<td>Option 2</td>
<td>Diesel Engine Overhaul (DSL 343) [AND]</td>
<td>5</td>
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<tr>
<td></td>
<td>Assembly of Diesel Engines (DSL 375)</td>
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**TOTAL CREDITS: 11-14**

### TERM VI

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<tr>
<td>DSL 655</td>
<td>Technical Power Hydraulics</td>
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<tr>
<td>XXX XXX</td>
<td>Approved Scientific Systems Course</td>
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</tr>
<tr>
<td>Option 1</td>
<td>Vehicle Engine Diagnosis (DSL 153)</td>
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<tr>
<td>Option 2</td>
<td>Intro to Locomotive Tune-ups (DSL 386) [AND]</td>
<td>2</td>
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<tr>
<td></td>
<td>Advanced Locomotive Electrical (DSL 147) [AND]</td>
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<tr>
<td></td>
<td>Locomotive Engine Assembly (DSL 374)</td>
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**TOTAL CREDITS: 11-15**

### TERM VI

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>DSL 384</td>
<td>Engine Application and Tune-Ups</td>
<td>4</td>
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<tr>
<td>DSL 412</td>
<td>Diesel Engine Electronics II</td>
<td>2</td>
</tr>
<tr>
<td>DSL 831</td>
<td>Preventative Maintenance</td>
<td>4</td>
</tr>
<tr>
<td>DSL 852</td>
<td>Diesel Guidance Systems Diagnostics</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 13**

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2018-19 College Catalog and Student Handbook. Curriculum is subject to change.
ELECTRONICS CORE

The electronic world is evolving. Are you ready to evolve with it? Take your stand at the frontier of Electronic Engineering Technology, Robotics/Automation Technology, or Laser and Optics Technology and have a Life Changing experience at Indian Hills Community College!

### YEAR ONE

<table>
<thead>
<tr>
<th>TERM</th>
<th>CLASS</th>
<th>NAME</th>
<th>CREDITS</th>
<th>DAYS</th>
<th>TIME</th>
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</thead>
<tbody>
<tr>
<td>FALL</td>
<td>ELT 373</td>
<td>DC Circuit Analysis</td>
<td>4</td>
<td>MTWTH</td>
<td>08:00 - 09:50</td>
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<tr>
<td></td>
<td>MAT 742</td>
<td>Technical Math</td>
<td>2</td>
<td>MTWTH</td>
<td>10:00 - 10:50</td>
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<tr>
<td>WINTER</td>
<td>ELE 375</td>
<td>AC Fundamentals</td>
<td>2</td>
<td>MTWTH</td>
<td>08:00 - 08:50</td>
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<td></td>
<td>ELE 180</td>
<td>Microprocessor Applications</td>
<td>2</td>
<td>MTWTH</td>
<td>09:00 - 09:50</td>
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<td></td>
<td>MAT 761</td>
<td>Technical Math for Electronics</td>
<td>2</td>
<td>MTWTH</td>
<td>10:00 - 10:50</td>
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<tr>
<td>SPRING</td>
<td>ELT 505</td>
<td>Power Transfer Technology</td>
<td>2</td>
<td>MTWTH</td>
<td>09:00 - 09:50</td>
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<td></td>
<td>ELT 550</td>
<td>Analog Devices</td>
<td>4</td>
<td>MTWTH</td>
<td>10:00 - 11:50</td>
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### YEAR TWO

<table>
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<th>TIME</th>
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<tbody>
<tr>
<td>FALL</td>
<td>CSC 110</td>
<td>Introduction to Computers</td>
<td>3</td>
<td>MW</td>
<td>08:00 - 09:50</td>
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<tr>
<td></td>
<td>XXX XXX</td>
<td>Approved Communication Course</td>
<td>3</td>
<td>TTH</td>
<td>08:00 - 09:50</td>
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<tr>
<td></td>
<td>COM 723</td>
<td>Workplace Communications</td>
<td>3</td>
<td>MTWTH</td>
<td>10:00 - 10:50</td>
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<td>WINTER</td>
<td>EGT 420</td>
<td>PLTW Digital Electronics</td>
<td>3</td>
<td>MTWTH</td>
<td>08:00 - 09:50</td>
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<tr>
<td></td>
<td>BUS 104</td>
<td>Business Essentials</td>
<td>3</td>
<td>MTWTH</td>
<td>10:00 - 10:50</td>
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<tr>
<td>SPRING</td>
<td>MAT 120</td>
<td>College Algebra</td>
<td>3</td>
<td>MTWTH</td>
<td>09:00 - 09:50</td>
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<td></td>
<td>LEO 102</td>
<td>Photonics Fundamentals</td>
<td>3</td>
<td>MTWTH</td>
<td>10:00 - 10:50</td>
</tr>
</tbody>
</table>

DID YOU KNOW THAT IF YOU'RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A $1,000 SCHOLARSHIP TO INDIAN HILLS

CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS

It is the policy of Indian Hills Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family, or marital status in its programs, activities, or employment practices as required by the Iowa Code §§220.8 and 263.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 - 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Director, Human Resources/Equity Coordinator (GailJ), 525 Grandview Ave, Ottumwa, IA 52501, 631-5050, gailj@indianhills.edu; Dean, Student Affairs (students), 631-5050, studentaffairs@indianhills.edu; Dean, Learning Services (students with disabilities), 631-5054, learningservices@indianhills.edu; U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60606, phone number 312/730-1560, fax 312/730-1576.

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### Electronic Engineering Technology Curriculum

**Associate of Applied Science Degree** | Total Credits: 79 | Location: Ottumwa Campus | Start Terms: Fall and Spring Terms

**REMAINING CREDITS: 40**

<table>
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<tr>
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<tbody>
<tr>
<td>ELT 579</td>
<td>Micro Circuits OR Internship (ELT 932)</td>
<td>3</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Approved Culture Course</td>
<td>3</td>
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<tr>
<td>XXX XXX</td>
<td>Approved Scientific Systems Course</td>
<td>3</td>
</tr>
<tr>
<td>ATR 266</td>
<td>Automation Programming</td>
<td>2</td>
</tr>
<tr>
<td>EGR 400</td>
<td>PLTW Introduction to Engineering Design OR (EGR 400)</td>
<td>3</td>
</tr>
<tr>
<td>ELT 402</td>
<td>Introduction to Communication Systems</td>
<td>3</td>
</tr>
<tr>
<td>ELT 540</td>
<td>Linear Components</td>
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</tr>
<tr>
<td>EGR 410</td>
<td>PLTW Principles of Engineering (EGT 410)</td>
<td>3</td>
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<tr>
<td>ELT 418</td>
<td>Circuit Design and Test</td>
<td>3</td>
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<tr>
<td>ELT 437</td>
<td>Communication Networks</td>
<td>4</td>
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<tr>
<td>ELT 458</td>
<td>Communication Networks</td>
<td>4</td>
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<tr>
<td>ELT 460</td>
<td>Fiber Optics</td>
<td>3</td>
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<tr>
<td>ELT 515</td>
<td>Wireless Networks</td>
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<tr>
<td>BUS 128</td>
<td>Foundation to Entrepreneurship</td>
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**OPTIONAL COURSE**

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<tbody>
<tr>
<td>BUS 128</td>
<td>Foundation to Entrepreneurship</td>
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**Total Credits: 79**

### Laser and Optics Technology Curriculum

**Associate of Applied Science Degree** | Total Credits: 81 | Location: Ottumwa Campus | Start Terms: Fall and Spring Terms

**REMAINING CREDITS: 42**

<table>
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<th>Course Code</th>
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<tr>
<td>LEO 242</td>
<td>Introduction to Photonics</td>
<td>4</td>
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<tr>
<td>LEO 257</td>
<td>Laser Components</td>
<td>2</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Approved Culture Course</td>
<td>3</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Approved Scientific Systems Course</td>
<td>3</td>
</tr>
<tr>
<td>CAD 180</td>
<td>Intro to Solidworks</td>
<td>2</td>
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<tr>
<td>LEO 255</td>
<td>Geometric Optics</td>
<td>4</td>
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<tr>
<td>LEO 259</td>
<td>Optical Devices</td>
<td>3</td>
</tr>
<tr>
<td>LEO 262</td>
<td>Laser System Fundamentals</td>
<td>3</td>
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<tr>
<td>LEO 250</td>
<td>Automated Laser Processing</td>
<td>3</td>
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<tr>
<td>LEO 253</td>
<td>Physical Optics</td>
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<tr>
<td>LEO 268</td>
<td>Photonics Troubleshooting</td>
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<td>LEO 266</td>
<td>Photonics Applications</td>
<td>4</td>
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<tr>
<td>LEO 275</td>
<td>Optical Systems Analysis</td>
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<td>LEO 277</td>
<td>Photonic Systems Lab</td>
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<tr>
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<td>Foundation to Entrepreneurship</td>
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**OPTIONAL COURSE**

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<tbody>
<tr>
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</table>

**Total Credits: 81**

### Robotics/Automation Technology Curriculum

**Associate of Applied Science Degree** | Total Credits: 78 | Location: Ottumwa Campus | Start Terms: Fall and Spring Terms

**REMAINING CREDITS: 39**

<table>
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<tr>
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<tr>
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<td>Robot Programming I (ATR 251) AND Industrial Electronics (ELT 126)</td>
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</tr>
<tr>
<td>Option 2</td>
<td>Internship (MFG 932)</td>
<td>4</td>
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<tr>
<td>XXX XXX</td>
<td>Approved Scientific Systems Course</td>
<td>3</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Approved Culture Course</td>
<td>3</td>
</tr>
<tr>
<td>ATR 110</td>
<td>Manufacturing Fundamentals</td>
<td>2</td>
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<tr>
<td>CAD 180</td>
<td>Intro to Solidworks</td>
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<tr>
<td>ELT 130</td>
<td>Control Systems</td>
<td>3</td>
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<tr>
<td>EGT 450</td>
<td>PLTW Computer Integrated Manufacturing</td>
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<tr>
<td>ATR 252</td>
<td>Robot Programming II</td>
<td>2</td>
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<tr>
<td>ATR 261</td>
<td>Robot Controllers I</td>
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<tr>
<td>ATR 267</td>
<td>Industrial Systems</td>
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<tr>
<td>ATR 350</td>
<td>Robot Offline Programming</td>
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<tr>
<td>ATR 262</td>
<td>Robot Controllers II</td>
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<tr>
<td>ATR 274</td>
<td>Automated System Applications</td>
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<td>ATR 275</td>
<td>Industrial Networks</td>
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<tr>
<td>ELT 124</td>
<td>Advanced PLCs and System Integration</td>
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</tbody>
</table>

**Total Credits: 78**

*PERCENTAGE DOESN'T INCLUDE OPTIONAL COURSE.

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2018-19 College Catalog and Student Handbook. Curriculum is subject to change.
The Health Unit Coordinator program prepares individuals to work in a hospital as part of the healthcare team coordinating and managing health information.

<table>
<thead>
<tr>
<th>YEAR ONE</th>
<th>CLASS</th>
<th>NAME</th>
<th>CREDITS</th>
<th>DAYS</th>
<th>TIME</th>
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<tbody>
<tr>
<td>FALL</td>
<td>HIT 125</td>
<td>Essentials of Health Records (Hybrid)</td>
<td>2</td>
<td>TTH</td>
<td>08:00 - 09:20</td>
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<tr>
<td></td>
<td>HIT 126</td>
<td>Health Records Laboratory (Hybrid)</td>
<td>1</td>
<td>W</td>
<td>08:00 - 09:20</td>
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<td></td>
<td>ADM 108</td>
<td>Keyboarding Skill Development</td>
<td>1</td>
<td>WWW</td>
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<tr>
<td></td>
<td>CSC 105</td>
<td>Computer Essentials</td>
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<tr>
<td>WINTER</td>
<td>HSC 113</td>
<td>Medical Terminology</td>
<td>2</td>
<td>MW</td>
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<td>HSC 141</td>
<td>Pharmaceutical Applications</td>
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<td>T</td>
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<td></td>
<td>ENG 105</td>
<td>Composition I</td>
<td>3</td>
<td>WWW</td>
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<tr>
<td>SPRING</td>
<td>HUC 121</td>
<td>Health Unit Coordinator (Hybrid)</td>
<td>5</td>
<td>TWTH</td>
<td>08:00 - 09:50</td>
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<tr>
<td></td>
<td>HSC 230</td>
<td>Employment Preparation</td>
<td>1</td>
<td>M</td>
<td>08:00 - 09:20</td>
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<tr>
<td>SUMMER</td>
<td>HUC 122</td>
<td>HUC Practicum (160 hours)</td>
<td>2</td>
<td>MTWTHF</td>
<td>07:00 - 10:00</td>
</tr>
</tbody>
</table>

AWARD: HEALTH UNIT COORDINATOR DIPLOMA

DID YOU KNOW THAT IF YOU'RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A $1,000 SCHOLARSHIP TO INDIAN HILLS

CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS

It is the policy of Indian Hills Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family, or marital status in its programs, activities, or employment practices as required by the Iowa Code §§216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and Title II of the Americans with Disabilities Act (42 U.S.C. §§ 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Director, Human Resources/Equity Coordinator (U.S.), 525 Grandview Ave, Ottumwa, IA 52501, 633-5306, hr@indianhills.edu; Dean, Student Affairs (students), 633-5301, studentservices@indianhills.edu; Dean, Learning Services (students with disabilities), 633-5374, learningservices@indianhills.edu; U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312/730-1560, fax 312/730-1576.
# Health Unit Coordinator Curriculum

<table>
<thead>
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<th>Diploma</th>
<th>Total Credits: 19</th>
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<th>Start Term: Fall Term</th>
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## TERM I

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<td>Keyboarding Skill Development</td>
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<tr>
<td>CSC 105</td>
<td>Computer Essentials</td>
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<tr>
<td>HIT 125</td>
<td>Essentials of Health Records</td>
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<tr>
<td>HIT 126</td>
<td>Health Records Laboratory</td>
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<tr>
<td>HSC 113</td>
<td>Medical Terminology</td>
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<td>HSC 141</td>
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**TOTAL CREDITS: 8**

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<tr>
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<td>Employment Preparation</td>
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<td>HUC 121</td>
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<td>HUC 122</td>
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**CREDITS: 11**

## OPTIONAL COURSE

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**2018-19 College Catalog and Student Handbook. Curriculum is subject to change.**
### YEAR ONE

<table>
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<td></td>
<td>ART 133</td>
<td>Drawing</td>
<td>3</td>
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<td>XXX XXX</td>
<td>Approved Mathematical Reasoning Course</td>
<td>3</td>
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<td>GRA 280</td>
<td>Audio/Video Production Basics</td>
<td>3</td>
<td>WWW</td>
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<td>MW or TTH</td>
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<td>SPC XXX</td>
<td>Speech Elective*</td>
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### YEAR TWO

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<td>Introduction to Computer Graphics</td>
<td>3</td>
<td>TTH</td>
<td>10:00 - 11:50</td>
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<td>WINTER</td>
<td>SMM 100</td>
<td>Introduction to Social Media</td>
<td>3</td>
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<td></td>
<td>BCA 185</td>
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<td>SPRING</td>
<td>MMS 241</td>
<td>Public Relations and Marketing</td>
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<td>SMM 115</td>
<td>Introduction to Internet Marketing</td>
<td>3</td>
<td>TTH</td>
<td>10:00 - 11:50</td>
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*Choose either SPC 101 (Fundamentals of Oral Communication) or SPC 112 (Public Speaking)
Interactive Media Technology Curriculum

Associate of Applied Science Degree | Total Credits: 83 | Location: Ottumwa Campus | Start Terms: Fall and Summer Terms

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<tr>
<td>GRD 105 Design Basics 3</td>
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<td>GRD 110 Introduction to Computer Graphics 3</td>
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<td>BCA 185 Beginning Webpage Development 3</td>
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<tr>
<td>ENG 101 Elements of Writing 3</td>
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<tr>
<td>SMM 100 Introduction to Social Media 3</td>
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<td>BUS 128 Foundation to Entrepreneurship 3</td>
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<td>CIS 226 Advanced Web Design 2</td>
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<td>CIS 351 Introduction to Database Concepts 3</td>
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<td>XXX XXX Approved Program Elective 3</td>
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<td>SPC 101 Fundamentals of Oral Communication 3</td>
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<td>SPC 112 Public Speaking (SPC 112) 3</td>
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<td>SMM 920 Service Learning Project (SMM 920) 3</td>
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**EMPHASIS OPTIONS REQUIRED COURSES**

**INTERNET MARKETING**
- SMM 130 Electronic Advertising 3
- SMM 170 Social Media Campaigns 3
- SMM 180 Mobile Marketing 3

**INTERACTIVE WEB**
- CIS 198 JavaScript 3
- CIS 334 PHP/APACHE/MYSQL 3
- GRD 220 Web Animation 3

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**MACHINE TECHNOLOGY**

Machines keep the world moving forward. So you’re saying machinists run the world? You bet! Change the world – and your life – one part or tool at a time with Machine Technology at Indian Hills!

### YEAR ONE

<table>
<thead>
<tr>
<th>TERM</th>
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<tr>
<td>FALL</td>
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<td>Machine Shop Practices</td>
<td>3</td>
<td>MTWTH</td>
<td>08:00 - 08:50</td>
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<td></td>
<td>MFG 121</td>
<td>Machine Trade Printreading I</td>
<td>2</td>
<td>MTWTH</td>
<td>09:00 - 09:50</td>
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<td>WINTER</td>
<td>MFG 222</td>
<td>Machine Operations I (1st half of the course)</td>
<td>2</td>
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<td>MFG 131</td>
<td>Machine Operations I (2nd half of the course)</td>
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<td>Machine Trade Printreading II (Hybrid)</td>
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### YEAR TWO

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<td>Machine Operations III</td>
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<td>Mill Operations Theory</td>
<td>3</td>
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DID YOU KNOW THAT IF YOU’RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A $1,000 SCHOLARSHIP TO INDIAN HILLS

CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS
# Machine Technology Curriculum

### Associate of Applied Science Degree | Total Credits: 74 | Location: Ottumwa Campus | Start Terms: All Terms

## TERM I

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<td>CSC 105</td>
<td>Computer Essentials</td>
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<td>Machine Trade Printreading I</td>
<td>2</td>
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<td>MFG 209</td>
<td>Machine Shop Practices</td>
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<td>MFG 222</td>
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**TOTAL CREDITS: 13**

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**TOTAL CREDITS: 11**

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<td>Machine Operations III</td>
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<td>Introduction to CAM</td>
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**TOTAL CREDITS: 13**

## TERM IV

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<td>CAD 230</td>
<td>Geometric Dimensioning and Tolerancing</td>
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<td>MFG 234</td>
<td>Machine Operations IV</td>
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<td>MFG 254</td>
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**TOTAL CREDITS: 13**

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<td>MFG 352</td>
<td>CNC Lathe Fundamentals</td>
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**TOTAL CREDITS: 13**

## TERM VI

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<td>Machine Operations VI</td>
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<td>Internship (MFG 932)</td>
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**TOTAL CREDITS: 11**

## OPTIONAL COURSE

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<tbody>
<tr>
<td>BUS 128</td>
<td>Foundation to Entrepreneurship</td>
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To nourish, is to flourish! When your body is hungry, it wants nutrients!

### YEAR ONE

<table>
<thead>
<tr>
<th>TERM</th>
<th>CLASS</th>
<th>NAME</th>
<th>CREDITS</th>
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<tr>
<td>FALL</td>
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<td>Nutrition for Foodservice (Hybrid)</td>
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**AWARD:** CERTIFIED DIETARY MANAGER

### YEAR TWO

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<td>PSY 111</td>
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### Nutrition & Dietary Management Curriculum

**Associate of Applied Science Degree** | Total Credits: 66 | Location: Ottumwa Campus | Start Term: Fall Term

#### TERM I - TOTAL CREDITS: 13
- BIO 175 Human Anatomy 3
- BIO 176 Human Anatomy Lab 1
- DTM 100 Nutrition for Foodservice 3
- ENG 105 Composition I 3
- SDV 101 How To Be Successful in College 3

#### TERM II - TOTAL CREDITS: 11
- BIO 178 Human Physiology 3
- BIO 179 Human Physiology Lab 1
- CSC 105 Computer Essentials 1
- DTM 110 Medical Nutrition Therapy 3
- HCM 101 Safety/Sanitation 3
- HSC 113 Medical Terminology 2

#### TERM III - TOTAL CREDITS: 9
- DTM 111 Foodservice Management and Leadership 3
- DTM 112 Foodservice Systems and Production 3
- SPC 101 Fundamentals of Oral Communication 3

#### TERM IV - TOTAL CREDITS: 11
- DTM 113 CDM Field Experience 2
- MAT 120 College Algebra 3
- HSC 212 Pathophysiology 3
- PSY 111 Introduction to Psychology 3

#### TERM V - TOTAL CREDITS: 12
- BUS 102 Introduction to Business 3
- DTM 201 Food and Culinary Science 3
- DTM 202 Lifecycle Nutrition 3
- PSY 121 Developmental Psychology 3

#### TERM VI - TOTAL CREDITS: 10
- PEH 115 Wellness Education 3
- DTM 203 Community Nutrition 3
- ENG 106 Composition II 3
- HSC 230 Employment Preparation 1

**Optional Course**
- HSC 201 Health Care Exploration 2

2018-19 College Catalog and Student Handbook. Curriculum is subject to change.

---

**Did you know that if you're taking Indian Hills classes while still in high school, you already qualify for a $1,000 Scholarship to Indian Hills?**

Check out the minimum qualifications and apply today: [WWW.INDIANHILLS.EDU/SCHOLARSHIPS](http://WWW.INDIANHILLS.EDU/SCHOLARSHIPS)
# PHARMACY TECHNOLOGY

Here’s the prescription you need to fill: complete the needed classes at Indian Hills, and you’ll be on your way to a Life. Changing. career as a Pharmacy Technician in no time!

## YEAR ONE

<table>
<thead>
<tr>
<th>TERM</th>
<th>CLASS</th>
<th>NAME</th>
<th>CREDITS</th>
<th>DAYS</th>
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## YEAR TWO

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<td>SPRING</td>
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<td>Pharmacy Operations (Hybrid)</td>
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**AWARD:** PHARMACY TECHNOLOGY DIPLOMA

DID YOU KNOW THAT IF YOU’RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A $1,000 SCHOLARSHIP TO INDIAN HILLS

CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS
### Pharmacy Technology Curriculum

**Diploma** | **Total Credits: 25** | **Location: Ottumwa Campus and Online** | **Start Term: Winter Term**

**TERM I**  
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<td>PHR 141</td>
<td>Pharmacy Operations</td>
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<td>PHR 148</td>
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<td>HSC 230</td>
<td>Employment Preparation</td>
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2018-19 College Catalog and Student Handbook. Curriculum is subject to change.

**YEAR ONE**

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<td>BIO 161</td>
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**AWARD:** PHLEBOTOMY TECHNICIAN CERTIFICATE

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<td>MLT 176</td>
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**AWARD:** CLINICAL LABORATORY ASSISTANT DIPLOMA

*Recommended General Electives: Intro to Psychology, Math Elective, or General Chemistry lead to the Medical Laboratory Technician AAS degree.

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## Phlebotomy Technician Curriculum

**Certificate | Total Credits: 9 | Location: Ottumwa Campus | Start Term: Winter Term**

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<td>HSC 113</td>
<td>Medical Terminology</td>
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<tr>
<td>HSC 230</td>
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<tr>
<td>MLT 112</td>
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<tr>
<td>II</td>
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<tr>
<td>PHB 270</td>
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## Clinical Laboratory Assistant Curriculum

**Diploma | Total Credits: 28 | Location: Ottumwa Campus | Start Term: Fall Term**

The Clinical Laboratory Assistant program is accredited through the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Rd, Suite 720, Rosemont, IL 60018, (773) 714-8880 | info@naacls.org

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<td>MLT 176</td>
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<tr>
<td>MLT 295</td>
<td>Topics in Clinical Laboratory Sciences I</td>
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</table>

2018-19 College Catalog and Student Handbook. Curriculum is subject to change.
WELDING TECHNOLOGY

Some things need heat to spark a solution. So strap on your mask and let’s make some welding magic! Send sparks flying with Welding Technology at Indian Hills Community College!

YEAR ONE

<table>
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<th>TERM</th>
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<td>Introduction to Welding, Safety &amp; Health of Welders</td>
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<td>1:05 - 2:00</td>
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<td>WEL 244</td>
<td>Gas Metal Arc Welding Short Circuit</td>
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<td>2:05 - 3:00</td>
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<td>SPRING</td>
<td>WEL 201</td>
<td>Procedures and Qualifications</td>
<td>1</td>
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<td>12:20 - 12:40</td>
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<td>WEL 182</td>
<td>FCAW</td>
<td>2</td>
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<td>IND 110</td>
<td>CPR, First Aid and Safety</td>
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<td>WEL 251</td>
<td>Gas Tungsten Arc Welding for Carbon Steel</td>
<td>2</td>
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<td>2:00 - 3:00</td>
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YEAR TWO

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<tr>
<th>TERM</th>
<th>CLASS</th>
<th>NAME</th>
<th>CREDITS</th>
<th>DAYS</th>
<th>TIME</th>
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<td>FALL</td>
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<td>Shielded Metal Arc Welding II</td>
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<td>Thermal Cutting Processess I</td>
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<td>WEL 211</td>
<td>Production Welding Procedures</td>
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<td>WEL 253</td>
<td>Gas Tungsten Arc Welding for Austenitic Stainless Steel</td>
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<td>2:15 - 3:00</td>
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<td>Advanced Welding Procedures II</td>
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<td>Career Development Skills</td>
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AWARD: WELDING TECHNICIAN DIPLOMA

Did you know that if you’re taking Indian Hills classes while still in high school, you already qualify for a $1,000 scholarship to Indian Hills. Check out the minimum qualifications and apply today: www.indianhills.edu/scholarships

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If you have questions or complaints related to compliance with this policy, please contact Director, Human Resources/Equal Opp. Coordinator (staff), 525 Grandview Ave, Ottumwa, IA 52501, 683-5108; hrequity@indianhills.edu; Dean, Student Affairs (students), 683-5005; studentsequity@indianhills.edu; Dean, Learning Services (students with disabilities), 683-5157; learningservices@indianhills.edu; U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60606; phone number 312/783-1060; fax 312/732-1576.
## Welding Technology A.A.S. Curriculum

**Associate of Applied Science Degree** | Total Credits: 67 | Location: Ottumwa Campus | Start Terms: Fall and Spring Terms

### TERM I
**TOTAL CREDITS: 10**
- IND 110 CPR, First Aid and Safety 1
- MAT 762 Technical Math for Industry 2
- WEL 228 Introduction to Welding, Safety & Health of Welders 1
- WEL 254 Welding Inspection and Testing Principles 1
- WEL 262 Thermal Cutting Process I-Manual and Mechanized OxyFuel Cutting 2
- WEL 274 Shielded Metal Arc Welding I 3

### TERM II
**TOTAL CREDITS: 12**
- MAT 772 Applied Math 3
- WEL 201 Procedures and Qualifications 1
- WEL 233 Print Reading and Welding Symbol Interpretation 3
- WEL 244 Gas Metal Arc Welding Short Circuit Transfer 2
- WEL 251 Gas Tungsten Arc Welding (GTAW) for Carbon Steel 2
- WEL 253 Gas Tungsten Arc Welding (GTAW) for Austenitic Stainless Steel 1

### TERM III
**TOTAL CREDITS: 12**
- CSC 105 Computer Essentials 1
- WEL 174 Advanced Welding Procedures II 3
- WEL 182 FCAW 2
- WEL 275 Shielded Metal Arc Welding II 3
- XXX XXX Approved Communications Course 3

### TERM IV
**TOTAL CREDITS: 10**
- ADM 221 Career Development Skills 2
- WEL 200 Metallurgy Fundamentals 2
- WEL 211 Production Welding Procedures 4
- WEL 245 Internship (WEL 932) 4
- WEL 245 Gas Metal Arc Welding Spray Transfer 2

### TERM V
**TOTAL CREDITS: 12**
- AUT 143 Machining for Automotive Mechanics 2
- CRR 310 Adapters, Tools and Measurements 1
- MFG 203 Manufacturing Processes 3
- WEL 710 Robotic Welding 3
- XXX XXX Approved Scientific Systems Course 3

### TERM VI
**TOTAL CREDITS: 11**
- BUS 104 Business Essentials 3
- BUS 104 Introduction to Business (BUS 102) 3
- MFG 507 Lean Quality Manufacturing 2
- WEL 230 Welding Quality Assurance 3
- XXX XXX Approved Culture Course 3

### TERM VII (OPTIONAL)
**TOTAL CREDITS: 8**
- WEL 308 Pipe Welding/Uphill SMAW 4
- WEL 309 Pipe Welding/Downhill SMAW 4

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55% COMPLETED

Doesn't include optional term VII

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2018-19 College Catalog and Student Handbook. Curriculum is subject to change.