

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

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	AUT 114	Shop Fund & Minor Service	4	MTWTH	08:00 - 09:50
WINTER	AUT 404	Automotive Suspension and Steering	4	MTWTH	08:00 - 09:50
SPRING	CRR 310	Adapters, Tools and Measurements (1st 6wks)	1	MTWTH	08:00 - 08:50
	AUT 701	Basic Automotive Air Conditioning (2nd 6wks)	1	MTWTH	08:00 - 08:50
	AUT 502	Automotive Brake Systems	2	MTWTH	09:00 - 09:50

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME	
FALL	AUT 607	Basic Auto Electricity/Electronics	4	MTWTH	08:00 - 09:50	
	DSL 848	Diesel Guidance Systems	3	MTWTH	10:00 - 10:50	
	DSL 602	Principles of Hydraulics	2	MTWTH	11:00 - 11:50	
WINTER	AUT 155	Automotive Engine Design and Systems	2	MW	08:00 - 09:50	
	SPC 101	Fundamentals of Oral Communications	3	TTH	08:00 - 09:50	
	AUT 172	Advanced Automotive Engine Repair	2	MTWTH	10:00 - 10:50	
	ADM 218	Initiating the Career Search	1	WWW	WWW	
SPRING	AUT 130	Automotive Maintenance and Inspection Procedures	2	MTWTH	10:00 - 10:50	
	MAT 772	Applied Math	3	MTWTH	11:00 - 11:50	
	-----Accelerated Option-----					
	CSC 110	Introduction to Computers	3	MW or TH	08:00 - 09:50	
XXX XXX	Approved Culture or Science Course	3	MW or TH	08:00 - 09:50		

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



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Automotive Technology Curriculum

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

TERM I	TOTAL CREDITS: 10	
AUT 114	Shop Fund & Minor Service	4 <input checked="" type="checkbox"/>
AUT 130	Automotive Maintenance and Inspection Procedures	2 <input checked="" type="checkbox"/>
AUT 502	Automotive Brake Systems	2 <input checked="" type="checkbox"/>
AUT 701	Basic Automotive Air Conditioning	1 <input checked="" type="checkbox"/>
CRR 310	Adapters, Tools and Measurements	1 <input checked="" type="checkbox"/>

TERM II	TOTAL CREDITS: 12	
AUT 290	NVH and Aftermarket	2 <input type="checkbox"/>
AUT 404	Automotive Suspension and Steering	4 <input checked="" type="checkbox"/>
AUT 702	Automotive Heating and Air Conditioning	2 <input type="checkbox"/>
MAT 772	Applied Math OR Approved Mathematical Reasoning Course	3 <input checked="" type="checkbox"/> 3 <input type="checkbox"/>

TERM III	TOTAL CREDITS: 10	
AUT 607	Basic Auto Electricity/Electronics	4 <input checked="" type="checkbox"/>
AUT 881	Automotive Lab I	3 <input type="checkbox"/>
XXX XXX	Approved Culture Course	3 <input checked="" type="checkbox"/>

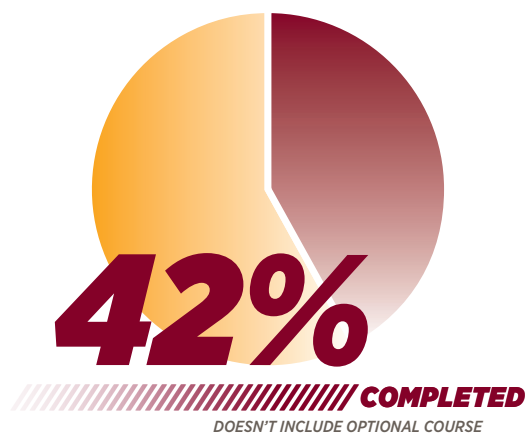
TERM IV	TOTAL CREDITS: 13	
AUT 222	Basic Automotive Drive Lines	2 <input type="checkbox"/>
AUT 224	Automotive Drive Lines and Repair Procedures	2 <input type="checkbox"/>
AUT 303	Automotive Manual Drive Train and Axles	3 <input type="checkbox"/>
AUT 882	Automotive Lab II	3 <input type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3 <input type="checkbox"/>

TERM V	TOTAL CREDITS: 15	
AUT 204	Automotive Automatic Transmissions/Transaxles	4 <input type="checkbox"/>
AUT 218	Automotive Automatic Transmissions/Transaxle Service	5 <input type="checkbox"/>
AUT 883	Automotive Lab III	3 <input type="checkbox"/>
CSC 110	Introduction to Computers	3 <input checked="" type="checkbox"/>

TERM VI	TOTAL CREDITS: 13	
ADM 218	Initiating the Career Search	1 <input checked="" type="checkbox"/>
AUT 155	Automotive Engine Design and Systems	2 <input checked="" type="checkbox"/>
AUT 172	Advanced Automotive Engine Repair	2 <input checked="" type="checkbox"/>
AUT 833	Automotive Fuel Systems	3 <input type="checkbox"/>
AUT 884	Automotive Lab IV	2 <input type="checkbox"/>
XXX XXX	Approved Communications Course	3 <input checked="" type="checkbox"/>

TERM VII	TOTAL CREDITS: 11	
AUT 848	Automotive Engine Drivability Diagnosis	4 <input type="checkbox"/>
AUT 851	Automotive Engine Performance Diagnosis	3 <input type="checkbox"/>
AUT 862	Automotive Engine Performance Testing	2 <input type="checkbox"/>
AUT 885	Automotive Lab V	2 <input type="checkbox"/>

OPTIONAL COURSE		
BUS 128	Foundation to Entrepreneurship	3 <input type="checkbox"/>



BUSINESS SPECIALIST/ OFFICE MANAGEMENT

Are you ready to be in an office organizing files, 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!

YEAR ONE

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	CSC 110	Introduction to Computers	3	MW	08:00 - 09:50
	ACC 111	Introduction to Accounting	3	TTH	08:00 - 09:50
WINTER	ADM 133	Business Math and Calculators	3	MW	08:00 - 09:50
	BCA 142	Spreadsheets	3	TTH	08:00 - 09:50
SPRING	ACC 311	Computer Accounting	3	MW	08:00 - 09:50
	SPC XXX	Speech Elective*	3	TTH	08:00 - 09:50
	ADM 108	Keyboarding Skill Development	1	WWW	WWW

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME	
FALL	BCA 134	Word Processing	3	MW	08:00 - 09:50	
	ACC 160	Payroll Accounting	2	TTH	08:00 - 09:50	
	-----Accelerated Option**-----			-----	-----	-----
	MAT XXX	Approved Mathematical Reasoning Course	3	MW	10:00 - 11:50	
WINTER	ADM 159	Proofreading and Editing	3	TTH	10:00 - 11:50	
	ADM 162	Office Procedures	3	MW	08:00 - 09:50	
	ADM 123	Document Formatting	3	TTH	08:00 - 09:50	
	-----Accelerated Option**-----			-----	-----	-----
SPRING	ENV XXX	Approved Scientific Systems Course	3	MW	10:00 - 11:50	
	BUS 128	Foundation to Entrepreneurship	3	WWW	WWW	
	BCA 167	Comprehensive Databases	3	MW	08:00 - 09:50	
	ENG 101	Elements of Writing	3	TTH	08:00 - 09:50	
	ADM 221	Career Development Skills	2	WWW	WWW	
-----Accelerated Option**-----			-----	-----	-----	
SPRING	XXX XXX	Approved Culture Course	3	MW	10:00 - 11:50	
	ECN 120	Principles of Macroeconomics	3	TTH	10:00 - 11:50	

AWARD: BUSINESS SPECIALIST DIPLOMA

*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.

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Business Specialist Curriculum

100% COMPLETED

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

TERM I TOTAL CREDITS: 13

ACC 111	Introduction to Accounting	3	<input checked="" type="checkbox"/>
ADM 108	Keyboarding Skill Development	1	<input checked="" type="checkbox"/>
ADM 133	Business Math and Calculators	3	<input checked="" type="checkbox"/>
BCA 142	Spreadsheets	3	<input checked="" type="checkbox"/>
CSC 110	Introduction to Computers	3	<input checked="" type="checkbox"/>

TERM III TOTAL CREDITS: 14

ACC 311	Computer Accounting	3	<input checked="" type="checkbox"/>
ADM 123	Document Formatting	3	<input checked="" type="checkbox"/>
ADM 221	Career Development Skills	2	<input checked="" type="checkbox"/>
BCA 167	Comprehensive Databases	3	<input checked="" type="checkbox"/>
ENG 101	Elements of Writing	3	<input checked="" type="checkbox"/>

TERM II TOTAL CREDITS: 11

ACC 160	Payroll Accounting	2	<input checked="" type="checkbox"/>
ADM 162	Office Procedures	3	<input checked="" type="checkbox"/>
BCA 134	Word Processing	3	<input checked="" type="checkbox"/>
SPC 101	Fundamentals of Oral Communication OR	3	<input checked="" type="checkbox"/>
	Public Speaking (SPC 112)	3	<input type="checkbox"/>

OPTIONAL COURSE

BUS 128	Foundation to Entrepreneurship	3	<input checked="" type="checkbox"/>
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Business Specialist/Office Management Curriculum

75% COMPLETED

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

TERM I TOTAL CREDITS: 13

ACC 111	Introduction to Accounting	3	<input checked="" type="checkbox"/>
ADM 108	Keyboarding Skill Development	1	<input checked="" type="checkbox"/>
ADM 133	Business Math and Calculators	3	<input checked="" type="checkbox"/>
BCA 142	Spreadsheets	3	<input checked="" type="checkbox"/>
CSC 110	Introduction to Computers	3	<input checked="" type="checkbox"/>

TERM IV TOTAL CREDITS: 13

ADM 148	Transcription	2	<input type="checkbox"/>
BCA 138	Advanced Word Processing Applications	3	<input type="checkbox"/>
ENG 105	Composition I	3	<input type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3	<input checked="" type="checkbox"/>
XXX XXX	Approved Elective	2	<input checked="" type="checkbox"/>

TERM II TOTAL CREDITS: 14

ACC 160	Payroll Accounting	2	<input checked="" type="checkbox"/>
ACC 311	Computer Accounting	3	<input checked="" type="checkbox"/>
ADM 162	Office Procedures	3	<input checked="" type="checkbox"/>
BCA 134	Word Processing	3	<input checked="" type="checkbox"/>
BCA 178	Presentation Software	3	<input type="checkbox"/>

TERM V TOTAL CREDITS: 10

ADM 159	Proofreading and Editing	3	<input checked="" type="checkbox"/>
ADM 221	Career Development Skills	2	<input checked="" type="checkbox"/>
SPC 101	Fundamentals of Oral Communication OR	3	<input checked="" type="checkbox"/>
	Public Speaking (SPC 112)	3	<input type="checkbox"/>
XXX XXX	Approved Elective	2	<input checked="" type="checkbox"/>

TERM III TOTAL CREDITS: 12

ADM 123	Document Formatting	3	<input checked="" type="checkbox"/>
BCA 167	Comprehensive Databases	3	<input checked="" type="checkbox"/>
ENG 101	Elements of Writing	3	<input checked="" type="checkbox"/>
XXX XXX	Approved Mathematical Reasoning Course	3	<input checked="" type="checkbox"/>

TERM VI TOTAL CREDITS: 10

ADM 180	Administrative Management	3	<input type="checkbox"/>
ADM 900	Internship OR	4	<input type="checkbox"/>
	Individual Projects (ADM 929)	4	<input type="checkbox"/>
XXX XXX	Approved Culture Course	3	<input checked="" type="checkbox"/>

OPTIONAL COURSE

BUS 128	Foundation to Entrepreneurship	3	<input type="checkbox"/>
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2019-20 College Catalog and Student Handbook. Curriculum is subject to change.

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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					
TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	CSC 110	Introduction to Computers	3	MW	08:00 - 09:50
	ACC 111	Introduction to Accounting	3	TTH	08:00 - 09:50
WINTER	ADM 133	Business Math and Calculators	3	MW	08:00 - 09:50
	BCA 142	Spreadsheets	3	TTH	08:00 - 09:50
SPRING	ACC 150	Financial Reports and Presentations	2	MW	08:00 - 09:50
	ACC 311	Computer Accounting	3	TTH	08:00 - 09:50
YEAR TWO					
TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	BCA 134	Word Processing	3	MW	08:00 - 09:50
	ACC 160	Payroll Accounting	2	TTH	08:00 - 09:50
	-----	-----Accelerated Option*-----	-----	-----	-----
	MAT XXX	Approved Mathematical Reasoning Course	3	MW	10:00 - 11:50
	XXX XXX	Approved Culture Course	3	TTH	10:00 - 11:50
WINTER	ADM 162	Office Procedures	3	MW	08:00 - 09:50
	ACC 152	Financial Accounting (<i>Hybrid</i>)	4	TTH	08:00 - 09:50
	-----	-----Accelerated Option*-----	-----	-----	-----
	XXX XXX	Approved Scientific Systems Course	3	MW	10:00 - 11:50
	BUS 128	Foundation to Entrepreneurship	3	WWW	WWW
SPRING	BCA 167	Comprehensive Databases	3	MW	08:00 - 09:50
	ENG 101	Elements of Writing	3	TTH	08:00 - 09:50
	ADM 221	Career Development Skills	2	WWW	WWW
	-----	-----Accelerated Option*-----	-----	-----	-----
	SPC XXX	Speech Elective**	3	MW	10:00 - 11:50
	ECN 120	Principles of Macroeconomics	3	TTH	10:00 - 11:50

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)

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Accounting Assistant Curriculum

67% COMPLETED*

Diploma | Total Credits: 48 | Location: Ottumwa Campus | Start Terms: All Terms

TERM I	TOTAL CREDITS: 12		TERM III	TOTAL CREDITS: 13	
ACC 111	Introduction to Accounting	3 <input checked="" type="checkbox"/>	ACC 156	Managerial Accounting	4 <input type="checkbox"/>
ADM 133	Business Math and Calculators	3 <input checked="" type="checkbox"/>	ACC 261	Income Tax Accounting	3 <input type="checkbox"/>
BCA 142	Spreadsheets	3 <input checked="" type="checkbox"/>	BUS 104	Business Essentials OR	3 <input type="checkbox"/>
CSC 110	Introduction to Computers	3 <input checked="" type="checkbox"/>		Introduction to Business (BUS 102)	3 <input type="checkbox"/>
			ECN 120	Principles of Macroeconomics OR	3 <input checked="" type="checkbox"/>
				Principles of Microeconomics (ECN 130)	3 <input type="checkbox"/>
TERM II	TOTAL CREDITS: 12		TERM IV	TOTAL CREDITS: 11	
ACC 152	Financial Accounting	4 <input checked="" type="checkbox"/>	ACC 191	Financial Analysis	3 <input type="checkbox"/>
ACC 160	Payroll Accounting	2 <input checked="" type="checkbox"/>	ACC 211	Intermediate Accounting	3 <input type="checkbox"/>
ACC 311	Computer Accounting	3 <input checked="" type="checkbox"/>	ADM 221	Career Development Skills	2 <input checked="" type="checkbox"/>
SPC 101	Fundamentals of Oral Communication OR	3 <input checked="" type="checkbox"/>	ENG 101	Elements of Writing	3 <input checked="" type="checkbox"/>
	Public Speaking (SPC 112)	3 <input type="checkbox"/>			
			OPTIONAL COURSE		
			BUS 128	Foundation to Entrepreneurship	3 <input checked="" type="checkbox"/>

Business Specialist/Accounting Curriculum

78% COMPLETED*

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

TERM I	TOTAL CREDITS: 15		TERM IV	TOTAL CREDITS: 9	
ACC 111	Introduction to Accounting	3 <input checked="" type="checkbox"/>	ACC 211	Intermediate Accounting	3 <input type="checkbox"/>
ADM 133	Business Math and Calculators	3 <input checked="" type="checkbox"/>	ENG 105	Composition I	3 <input type="checkbox"/>
ADM 162	Office Procedures	3 <input checked="" type="checkbox"/>	XXX XXX	Approved Scientific Systems Course	3 <input checked="" type="checkbox"/>
BCA 142	Spreadsheets	3 <input checked="" type="checkbox"/>			
CSC 110	Introduction to Computers	3 <input checked="" type="checkbox"/>	TERM V	TOTAL CREDITS: 11	
			ACC 261	Tax Accounting	3 <input type="checkbox"/>
TERM II	TOTAL CREDITS: 14		ADM 221	Career Development Skills	2 <input checked="" type="checkbox"/>
ACC 150	Financial Reports and Presentations	2 <input checked="" type="checkbox"/>	ECN 120	Principles of Macroeconomics OR	3 <input checked="" type="checkbox"/>
ACC 152	Financial Accounting	4 <input checked="" type="checkbox"/>		Principles of Microeconomics (ECN 130)	3 <input type="checkbox"/>
ACC 160	Payroll Accounting	2 <input checked="" type="checkbox"/>	SPC 101	Fundamentals of Oral Communication OR	3 <input checked="" type="checkbox"/>
ACC 311	Computer Accounting	3 <input checked="" type="checkbox"/>		Public Speaking (SPC 112)	3 <input type="checkbox"/>
BCA 134	Word Processing	3 <input checked="" type="checkbox"/>			
			TERM VI	TOTAL CREDITS: 10	
TERM III	TOTAL CREDITS: 13		ACC 191	Financial Analysis	3 <input type="checkbox"/>
ACC 156	Managerial Accounting	4 <input type="checkbox"/>	ACC 929	Individual Projects OR	4 <input type="checkbox"/>
BCA 167	Comprehensive Databases	3 <input checked="" type="checkbox"/>		Internship (ACC 932)	4 <input type="checkbox"/>
ENG 101	Elements of Writing	3 <input checked="" type="checkbox"/>	XXX XXX	Approved Culture Course	3 <input checked="" type="checkbox"/>
XXX XXX	Approved Mathematical Reasoning Course	3 <input checked="" type="checkbox"/>			
			OPTIONAL COURSE		
			BUS 128	Foundation to Entrepreneurship	3 <input checked="" type="checkbox"/>

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*PERCENTAGE DOESN'T INCLUDE OPTIONAL COURSE.

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COMPUTER SOFTWARE DEVELOPMENT

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

YEAR ONE					
TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	CSC 110	Introduction to Computers	3	MW	08:00 - 09:50
	BCA 185	Beginning Webpage Development	3	TTH	08:00 - 09:50
WINTER	CIS 351	Introduction to Database Concepts	3	MW	08:00 - 09:50
	CIS 216	Web Design and Management	2	TTH	08:00 - 09:50
SPRING	CIS 121	Intro to Programming Logic	3	MTWTH	08:00 - 09:50
YEAR TWO					
TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	CIS 598	Python Programming	3	MTWTH	08:00 - 08:50
	CIS 279	Introduction to Mobile Development	3	MTWTH	09:00 - 09:50
	-----	-----Accelerated Option**-----	-----	-----	-----
	ADM 218 XXX XXX	Initiating the Career Search General Elective*	1 3	TTH MW	10:00 - 11:50 10:00 - 11:50
WINTER	CIS 402	Cobol	3	MTWTH	08:00 - 09:50
	-----	-----Accelerated Option**-----	-----	-----	-----
	CIS 845 XXX XXX	Quality Assurance General Elective*	2 3	MW TTH	10:00 - 11:50 10:00 - 11:50
SPRING	CIS 198	JavaScript	3	MTWTH	08:00 - 08:50
	CIS 338	SQL/Oracle	3	MTWTH	09:00 - 09:50
	-----	-----Accelerated Option**-----	-----	-----	-----
	CIS 412 XXX XXX	Cobol II General Elective*	3 3	MW TTH	10:00 - 11:50 10:00 - 11:50

*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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Computer Software Development Curriculum

Associate of Applied Science Degree | Total Credits: 81 | Location: Ottumwa Campus | Start Terms: All Terms

TERM I	TOTAL CREDITS: 13	
ADM 218	Initiating the Career Search	1 <input checked="" type="checkbox"/>
BCA 185	Beginning Webpage Development	3 <input checked="" type="checkbox"/>
CIS 121	Intro to Programming Logic	3 <input checked="" type="checkbox"/>
CSC 110	Introduction to Computers	3 <input checked="" type="checkbox"/>
CIS 598	Python Programming	3 <input checked="" type="checkbox"/>

TERM II	TOTAL CREDITS: 11	
CIS 171	Java	3 <input type="checkbox"/>
CIS 351	Introduction to Database Concepts	3 <input checked="" type="checkbox"/>
CIS 402	Cobol	3 <input checked="" type="checkbox"/>
CIS 845	Quality Assurance	2 <input checked="" type="checkbox"/>

TERM III	TOTAL CREDITS: 12	
CIS 175	Java II	3 <input type="checkbox"/>
CIS 338	SQL/Oracle	3 <input checked="" type="checkbox"/>
XXX XXX	Emphasis Option	3 <input type="checkbox"/>
CIS 198	JavaScript	3 <input checked="" type="checkbox"/>

TERM IV	TOTAL CREDITS: 10-12	
XXX XXX	Approved Communications Course	3 <input checked="" type="checkbox"/>
XXX XXX	Approved Culture Course	3 <input checked="" type="checkbox"/>
Option 1	Internship (CIS 932)	4 <input type="checkbox"/>
OR		
Option 2	Java III (CIS 181) AND Emphasis Option (XXX XXX)	3 <input type="checkbox"/> 3 <input type="checkbox"/>

TERM V	TOTAL CREDITS: 12	
CIS 169	C#	3 <input type="checkbox"/>
CIS 501	Intro to Business Analysis	3 <input type="checkbox"/>
XXX XXX	Emphasis Option	3 <input type="checkbox"/>
XXX XXX	Approved Mathematical Reasoning Course	3 <input checked="" type="checkbox"/>

TERM VI	TOTAL CREDITS: 11-12	
ADM 219	Managing the Career Search	1 <input type="checkbox"/>
CIS 174	Advanced C# Programming	3 <input type="checkbox"/>
XXX XXX	Emphasis Option	2 <input type="checkbox"/>
XXX XXX	Emphasis Option	3 <input type="checkbox"/>
CIS 850	Programming Field Project I OR	2 <input type="checkbox"/>
	Java III (CIS 181)	3 <input type="checkbox"/>

TERM VII	TOTAL CREDITS: 10-11	
CIS 618	Advanced .Net Programming	3 <input type="checkbox"/>
XXX XXX	Emphasis Option	2 <input type="checkbox"/>
XXX XXX	Approved Scientific Reasoning Course	3 <input type="checkbox"/>
CIS 851	Programming Field Project II OR	2 <input type="checkbox"/>
	Emphasis Option (XXX XXX)	3 <input type="checkbox"/>

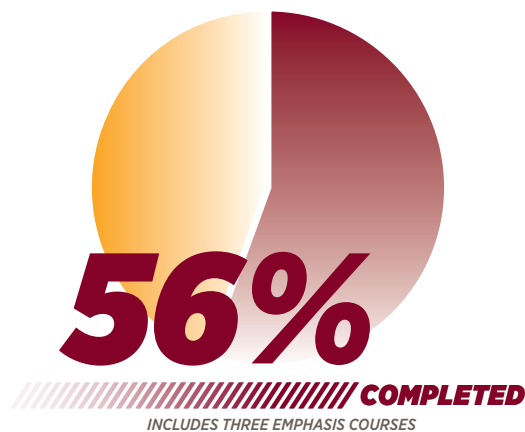
EMPHASIS OPTIONS REQUIRED COURSES

MOBILE DEVELOPMENT		
CIS 279	Intro to Mobile Development	3 <input checked="" type="checkbox"/>
CIS 281	Mobile Development	3 <input type="checkbox"/>
CIS 284	Advanced Mobile Development	3 <input type="checkbox"/>
CIS 286	User Experience Design	3 <input type="checkbox"/>
XXX XXX	Approved Emphasis Electives	4-6 <input type="checkbox"/>

WEBPAGE DEVELOPMENT		
CIS 206	Web Scripting	3 <input type="checkbox"/>
CIS 216	Web Design and Management	2 <input checked="" type="checkbox"/>
CIS 334	PHP/APACHE/MYSQL	3 <input type="checkbox"/>
CIS 203	Introduction to Web Frameworks	3 <input type="checkbox"/>
CIS 286	User Experience Design	3 <input type="checkbox"/>
XXX XXX	Approved Emphasis Electives	3 <input type="checkbox"/>

MAINFRAME PROGRAMMING		
CIS 344	Database Programming With DB2	3 <input type="checkbox"/>
CIS 412	Cobol II	3 <input checked="" type="checkbox"/>
CIS 421	Cobol III	3 <input type="checkbox"/>
CIS 486	Introduction to 4GL Programming	3 <input type="checkbox"/>
XXX XXX	Approved Emphasis Electives	4-6 <input type="checkbox"/>

ADDITIONAL EMPHASIS OPTIONS AVAILABLE
ACC 121, ACC 122, BUS 104, BUS 128, CIS 183, CIS 750



CYBERSECURITY AND SYSTEMS ADMINISTRATION

“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

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	NET 122	Computer Hardware Basics	3	MTWTH	08:00 - 09:50
WINTER	NET 786	Fundamentals of Desktop Support (<i>Laptop Required</i>)	4	MTWTH	08:00 - 09:50
SPRING	ELT 110 CSC 110	Electronics Introduction to Computers	2 3	MW TTH	08:00 - 09:50 08:00 - 09:50

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	XXX XXX	Approved Culture Course	3	MW	08:00 - 09:50
	BCA 185	Beginning Webpage Development	3	TTH	08:00 - 09:50
	----- NET 610	-----Accelerated Option*----- Security Fundamentals	----- 2	----- MTWTH	----- 10:00 - 10:50
WINTER	NET 725	Networking Essentials	3	MTWTH	08:00 - 09:50
	-----	-----Accelerated Option*-----	-----	-----	-----
	XXX XXX XXX XXX	Approved Mathematical Reasoning Course Approved Scientific Systems Course	3 3	MW TTH	10:00 - 11:50 10:00 - 11:50
SPRING	NET 310	Virtual Machines	3	MTWTH	08:00 - 09:50
	-----	-----Accelerated Option*-----	-----	-----	-----
	NET 445 ENG 111	Linux Operating System Technical Writing	4 3	MTWTH WWW	10:00 - 10:50 WWW

*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.

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Cybersecurity and Systems Administration Curriculum

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

TERM I	TOTAL CREDITS: 11	
CSC 110	Introduction to Computers	3 <input checked="" type="checkbox"/>
ELT 110	Electronics	2 <input checked="" type="checkbox"/>
NET 122	Computer Hardware Basics	3 <input checked="" type="checkbox"/>
XXX XXX	Approved Mathematical Reasoning Course	3 <input checked="" type="checkbox"/>

TERM II	TOTAL CREDITS: 13	
BCA 185	Beginning Webpage Development	3 <input checked="" type="checkbox"/>
NET 725	Networking Essentials	3 <input checked="" type="checkbox"/>
NET 786	Fundamentals of Desktop Support	4 <input checked="" type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3 <input checked="" type="checkbox"/>

TERM III	TOTAL CREDITS: 11	
NET 310	Virtual Machines	3 <input checked="" type="checkbox"/>
NET 445	Linux Operating System	4 <input checked="" type="checkbox"/>
NET 684	TCP/IP for Networking	4 <input type="checkbox"/>

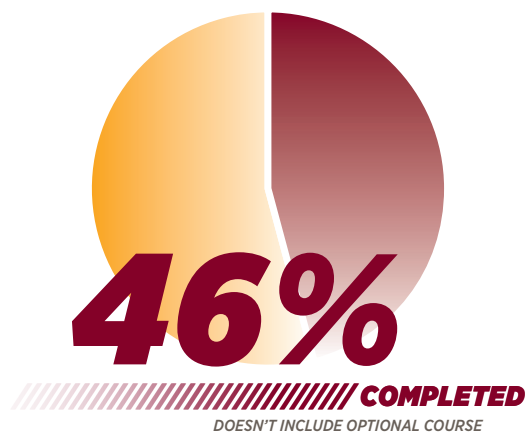
TERM IV	TOTAL CREDITS: 14	
NET 153	Advanced Networking	4 <input type="checkbox"/>
NET 319	Microsoft Server	3 <input type="checkbox"/>
NET 404	Linux Network Administration	4 <input type="checkbox"/>
NET 478	Information Storage and Management	3 <input type="checkbox"/>

TERM V	TOTAL CREDITS: 11	
NET 202	Programming for Network Administrators	3 <input type="checkbox"/>
NET 343	Windows Directory Services	3 <input type="checkbox"/>
NET 610	Security Fundamentals	2 <input checked="" type="checkbox"/>
XXX XXX	Approved Culture Course	3 <input checked="" type="checkbox"/>

TERM VI	TOTAL CREDITS: 11	
CIS 351	Introduction to Database Concepts	3 <input type="checkbox"/>
NET 626	Network Security Audit	3 <input type="checkbox"/>
NET 671	Microsoft Exchange Server	2 <input type="checkbox"/>
NET 782	Computer Users Support	3 <input type="checkbox"/>

TERM VII	TOTAL CREDITS: 13-14	
ENG 111	Technical Writing	3 <input checked="" type="checkbox"/>
NET 292	Information Technology Capstone	
NET 619	Network Attacks: Detection, Analysis and Countermeasures	5 <input type="checkbox"/>
		3 <input type="checkbox"/>
NET 845	Security Field Projects OR	2 <input type="checkbox"/>
	Internship (NET 932)	3 <input type="checkbox"/>

OPTIONAL COURSE		
BUS 128	Foundation to Entrepreneurship	3 <input type="checkbox"/>



DIESEL TECHNOLOGY

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

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	AUT 607	Basic Auto Electricity/Electronics	4	MTWTH	08:00 - 09:50
WINTER	MAT 772	Applied Math	3	MTWTH	08:00 - 08:50
	AUT 143	Machining for Automotive Mechanics	2	MTWTH	09:00 - 09:50
SPRING	CRR 310	Adapters, Tools and Measurements (1st 6wks)	1	MTWTH	08:00 - 08:50
	AUT 701	Basic Automotive Air Conditioning (2nd 6wks)	1	MTWTH	08:00 - 08:50
	DSL 602	Principles of Hydraulics	2	MTWTH	09:00 - 09:50

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	AUT 114	Shop Fund & Minor Service	4	MTWTH	08:00 - 09:50
	DSL 848	Diesel Guidance Systems	3	MTWTH	10:00 - 10:50
WINTER	DSL 655	Technical Power Hydraulics	5	MTWTH	08:00 - 09:50
	AUT 222	Basic Automotive Drive Lines (1st 6wks)	2	MTWTH	10:00 - 11:50
	AUT 642	Automotive Charging, Starting and Electrical Systems (2nd 6wks)	2	MTWTH	10:00 - 11:50
SPRING	CSC 110	Introductions to Computers	3	MW or TH	08:00 - 09:50
	XXX XXX	Approved Culture or Science Course	3	MW or TH	08:00 - 09:50
	AUT 130	Automotive Maintenance and Inspection	2	MTWTH	10:00 - 10:50

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Diesel Technology Curriculum

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

TERM I	TOTAL CREDITS: 11	
AUT 607	Basic Auto Electricity/Electronics	4 <input checked="" type="checkbox"/>
AUT 701	Basic Automotive Air Conditioning	1 <input checked="" type="checkbox"/>
CRR 310	Adapters, Tools and Measurements	1 <input checked="" type="checkbox"/>
DSL 602	Principles of Hydraulics	2 <input checked="" type="checkbox"/>
DSL 848	Diesel Guidance Systems	3 <input checked="" type="checkbox"/>

OPTIONAL COURSE		
BUS 128	Foundation to Entrepreneurship	3 <input type="checkbox"/>

TERM II	TOTAL CREDITS: 13	
AUT 143	Machining for Automotive Mechanics	2 <input checked="" type="checkbox"/>
AUT 172	Advanced Automotive Engine Repair	2 <input type="checkbox"/>
AUT 222	Basic Automotive Drive Lines	2 <input checked="" type="checkbox"/>
AUT 642	Automotive Charging, Starting and Electrical Systems	2 <input checked="" type="checkbox"/>
DSL 325	Introduction to Diesel	2 <input type="checkbox"/>
MAT 772	Applied Math OR Approved Mathematical Reasoning Course	3 <input checked="" type="checkbox"/> 3 <input type="checkbox"/>

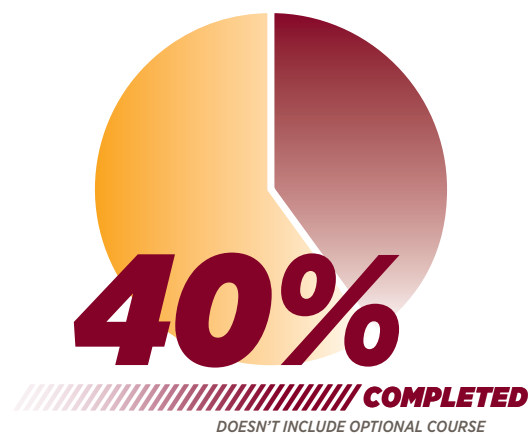
TERM III	TOTAL CREDITS: 9	
DSL 534	Drive Trains	4 <input type="checkbox"/>
DSL 599	Brakes, Tires and Alignment	2 <input type="checkbox"/>
XXX XXX	Approved Culture Course	3 <input checked="" type="checkbox"/>

TERM IV	TOTAL CREDITS: 9	
CSC 110	Introduction to Computers	3 <input checked="" type="checkbox"/>
DSL 421	Electronic Engine Controls	4 <input type="checkbox"/>
DSL 742	Air Conditioning/Refrigeration	2 <input type="checkbox"/>

TERM V	TOTAL CREDITS: 11-14	
ADM 218	Initiating the Career Search	1 <input type="checkbox"/>
XXX XXX	Approved Communications Course	3 <input type="checkbox"/>
Option 1	Locomotive Engine Disassembly (DSL 373) AND Intro. To Locomotive Engines (DSL 319) AND Intro. To Locomotive Electrical (DSL 146)	3 <input type="checkbox"/> 2 <input type="checkbox"/> 2 <input type="checkbox"/>
OR		
Option 2	Diesel Engine Overhaul (DSL 343) AND Assembly of Diesel Engines (DSL 375)	5 <input type="checkbox"/> 5 <input type="checkbox"/>

TERM VI	TOTAL CREDITS: 11-15	
DSL 655	Technical Power Hydraulics	5 <input checked="" type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3 <input type="checkbox"/>
Option 1	Vehicle Engine Diagnosis (DSL 153)	3 <input type="checkbox"/>
OR		
Option 2	Intro to Locomotive Tune-ups (DSL 386) AND Advanced Locomotive Electrical (DSL 147) AND Locomotive Engine Assembly (DSL 374)	2 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>

TERM VII	TOTAL CREDITS: 13	
DSL 384	Engine Application and Tune-Ups	4 <input type="checkbox"/>
DSL 412	Diesel Engine Electronics II	2 <input type="checkbox"/>
DSL 831	Preventative Maintenance	4 <input type="checkbox"/>
DSL 852	Diesel Guidance Systems Diagnostics	3 <input type="checkbox"/>



NUTRITION & DIETARY MANAGEMENT AND CERTIFIED DIETARY MANAGER

To nourish, is to flourish! When your body is hungry, it wants nutrients! Get a start in the field of Nutrition & Dietetics too learn how to provide fuel for the human body. Grow your skills to lead a successful food service department!

YEAR ONE

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	HSC 113	Medical Terminology	2	MW	08:00 - 09:20
	HSC 204	Nutrition for Health Professionals	3	TTH	08:00 - 09:50
	SDV 101	How To Be Successful in College	3	WWW	WWW
WINTER	HSC 201	Health Care Exploration	2	MW	08:00 - 09:20
	DTM 110	Medical Nutrition Therapy	3	TTH	08:00 - 09:50
	HCM 101	Safety/Sanitation	1	WWW	WWW
SPRING	DTM 111	Foodservice Management and Leadership	3	MW	08:00 - 09:50
	DTM 112	Foodservice Systems and Production	3	TTH	08:00 - 09:50
	CSC 105	Computer Essentials	1	WWW	WWW
SUMMER	DTM 113	CDM Field Experience (160 hours)	2	TBD	TBD

AWARD: CERTIFIED DIETARY MANAGER

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME
CHOOSE GENERAL EDUCATION COURSES THAT FIT SCHEDULE TOWARD THE AAS DEGREE					
	BIO 175	Human Anatomy	3		
	BIO 176	Human Anatomy Lab	1		
	ENG 105	Composition I	3		
	ENG 106	Composition II	3		
	BIO 178	Human Physiology	3		
	BIO 179	Human Physiology Lab	1		
	SPC 101	Fundamentals of Oral Communication	3		
	BUS 102	Introduction to Business	3		
	PSY 111	Intro to Psychology	3		
	MAT 120	College Algebra	3		
	HSC 212	Pathophysiology	3		
	PSY 121	Developmental Psychology	3		



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 <input checked="" type="checkbox"/>
BIO 176	Human Anatomy Lab	1 <input checked="" type="checkbox"/>
HSC 204	Nutrition for Health Professionals	3 <input checked="" type="checkbox"/>
ENG 105	Composition I	3 <input checked="" type="checkbox"/>
SDV 101	How To Be Successful In College	3 <input checked="" type="checkbox"/>

TERM II	TOTAL CREDITS: 11	
BIO 178	Human Physiology	3 <input checked="" type="checkbox"/>
BIO 179	Human Physiology Lab	1 <input checked="" type="checkbox"/>
CSC 105	Computer Essentials	1 <input checked="" type="checkbox"/>
DTM 110	Medical Nutrition Therapy	3 <input checked="" type="checkbox"/>
HCM 101	Safety/Sanitation	1 <input checked="" type="checkbox"/>
HSC 113	Medical Terminology	2 <input checked="" type="checkbox"/>

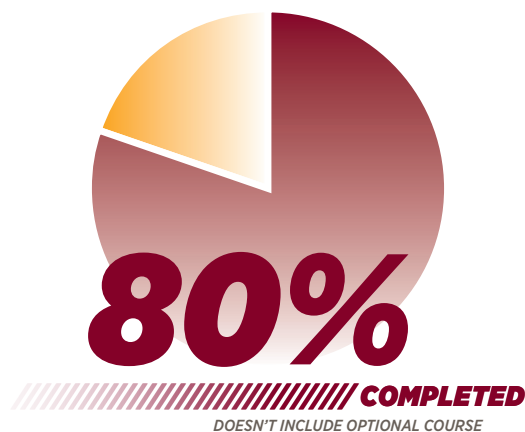
TERM III	TOTAL CREDITS: 9	
DTM 111	Foodservice Management and Leadership	3 <input checked="" type="checkbox"/>
DTM 112	Foodservice Systems and Production	3 <input checked="" type="checkbox"/>
SPC 101	Fundamentals of Oral Communication	3 <input checked="" type="checkbox"/>

TERM IV	TOTAL CREDITS: 11	
DTM 113	CDM Field Experience	2 <input checked="" type="checkbox"/>
MAT 120	College Algebra	3 <input checked="" type="checkbox"/>
HSC 212	Pathophysiology	3 <input checked="" type="checkbox"/>
PSY 111	Introduction to Psychology	3 <input checked="" type="checkbox"/>

TERM V	TOTAL CREDITS: 12	
BUS 102	Introduction to Business	3 <input checked="" type="checkbox"/>
DTM 201	Food and Culinary Science	3 <input type="checkbox"/>
DTM 202	Lifecycle Nutrition	3 <input type="checkbox"/>
PSY 121	Developmental Psychology	3 <input checked="" type="checkbox"/>

TERM VI	TOTAL CREDITS: 10	
PEH 115	Wellness Education	3 <input type="checkbox"/>
DTM 203	Community Nutrition	3 <input type="checkbox"/>
ENG 106	Composition II	3 <input checked="" type="checkbox"/>
HSC 230	Employment Preparation	1 <input type="checkbox"/>

OPTIONAL COURSE		
HSC 201	Health Care Exploration	2 <input checked="" type="checkbox"/>



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EARLY CHILDHOOD EDUCATION

Are you ready to influence and change the lives of young children? Start your rewarding experience in the Early Childhood Education Discovery Academy at IHCC today!

YEAR ONE

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	ECE 170	Child Growth and Development	3	TTH	08:00 - 09:50
	ECE 103	Introduction to Early Childhood Education	3	MW	08:00 - 09:50
	ECE 108	Introduction to Early Childhood Education - Lab EC Fieldwork Certification	1	F (10 hours) F - TBA	08:00 - 09:50 TBA
WINTER	ECE 221	Infant/Toddler Care and Education	3	MW	08:00 - 09:50
	ECE 158	Early Childhood Curriculum I	3	TTH	08:00 - 09:50
SPRING	ECE 133	Child Health, Safety and Nutrition	3	MW	08:00 - 09:50
	ENG 105	Composition I	3	TTH	08:00 - 09:50
SUMMER	ECE 263	EC Field Experience I <i>(7 Hours - Lecture & 72 Hours - Field Experience)</i>	1.5	TBA	TBA

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME	
FALL	FLS 131	Elementary Spanish	3	MW	08:00 - 09:50	
	EDU 235	Children's Literature	3	TTH	08:00 - 09:50	
	-----Accelerated Option-----					
	SPC 101	Fundamental of Oral Communication	3	WWW	WWW	
WINTER	MAT 110	Math for Liberal Arts	3	TTH	10:00 - 10:50	
	BIO 101	Introduction to Biology	2	MW	08:00 - 09:20	
	CSC 110	Introduction to Computers	3	TTH	08:00 - 09:50	
	-----Accelerated Option-----					
SPRING	BIO 103	Introduction to Biology Lab	1	M	09:30 - 11:50	
	HSC 230	Employment Preparation	1	WWW	WWW	
	ECE 159	Early Childhood Curriculum II	3	MW	08:00 - 09:50	
	ECE 243	Early Childhood Guidance	3	TTH	08:00 - 09:50	
-----Accelerated Option-----						
SUMMER	LIT 101	Introduction to Literature	3	MW	10:00 - 11:50	
	PSY 101	Introduction to Psychology	3	TTH	10:00 - 11:50	
SUMMER	ECE 264	EC Field Experience II <i>(7 Hours - Lecture & 72 Hours - Field Experience)</i>	1.5	TBA	TBA	

AWARD: CHILD CARE TECHNICIAN DIPLOMA



Early Childhood Associate Curriculum

Associate of Applied Science Degree | Total Credits: 74 | Location: Ottumwa Campus | Start Terms: Fall and Winter Terms

TERM I TOTAL CREDITS: 11

CSC 110	Introduction to Computers	1	<input checked="" type="checkbox"/>
ECE 103	Introduction to Early Childhood Education	3	<input checked="" type="checkbox"/>
ECE 108	ECE Fieldwork Certifications	1	<input checked="" type="checkbox"/>
ECE 133	Child Health, Safety and Nutrition	3	<input checked="" type="checkbox"/>
ECE 170	Child Growth and Development	3	<input checked="" type="checkbox"/>

TERM VII TOTAL CREDITS: 9

ECE 290	Early Childhood Program Administration	3	<input type="checkbox"/>
LIT 101	Introduction to Literature	3	<input checked="" type="checkbox"/>
XXX XXX	Fine Arts Elective	3	<input type="checkbox"/>

TERM II TOTAL CREDITS: 13.5

ECE 158	Early Childhood Curriculum I	3	<input checked="" type="checkbox"/>
ECE 221	Infant/Toddler Care and Education	3	<input checked="" type="checkbox"/>
ECE 263	EC Field Experience I	1.50	<input checked="" type="checkbox"/>
PSY 111	Introduction to Psychology	3	<input checked="" type="checkbox"/>
SPC 101	Fundamentals of Oral Communication OR Public Speaking (SPC 112)	3	<input checked="" type="checkbox"/>

TERM III TOTAL CREDITS: 13.5

ECE 159	Early Childhood Curriculum II	3	<input checked="" type="checkbox"/>
ECE 243	Early Childhood Guidance	3	<input checked="" type="checkbox"/>
ECE 264	EC Field Experience II	1.50	<input checked="" type="checkbox"/>
EDU 235	Children's Literature	3	<input checked="" type="checkbox"/>
ENG 105	Composition I	3	<input checked="" type="checkbox"/>

TERM IV TOTAL CREDITS: 9

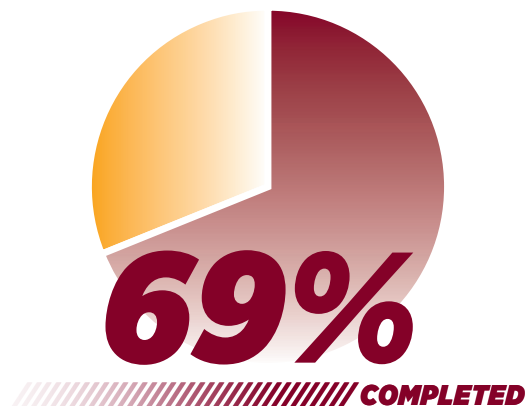
ECE 141	Designing Curriculum	3	<input type="checkbox"/>
ENG 106	Composition II	3	<input type="checkbox"/>
HIS 151	U.S. History to 1877 OR U.S. History since 1877 (HIS 152)	3	<input type="checkbox"/>

TERM V TOTAL CREDITS: 9

ECE 259	Topics in Early Childhood Education	3	<input type="checkbox"/>
XXX XXX	Foreign Language, Religion OR Philosophy Elective	3	<input checked="" type="checkbox"/>
XXX XXX	Approved Mathematical Reasoning Course	3	<input checked="" type="checkbox"/>

TERM VI TOTAL CREDITS: 9

BIO 101	Introductory Biology	2	<input checked="" type="checkbox"/>
BIO 103	Introductory Biology Lab	1	<input checked="" type="checkbox"/>
ECE 276	Classroom Teaching	2	<input type="checkbox"/>
ECE 287	Exceptional Learner	3	<input type="checkbox"/>
HSC 230	Employment Preparation	1	<input checked="" type="checkbox"/>



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ELECTRONICS CORE

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

YEAR ONE					
TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	ELT 373	DC Circuit Analysis	4	MTWTH	08:00 - 09:50
	BPT 104	Introduction to Biotechnology	3	MTWTH	10:00 - 10:50
WINTER	ELT 375	AC Fundamentals	2	MTWTH	08:00 - 08:50
	LEO 102	Photonics Fundamentals	3	MTWTH	09:00 - 09:50
	MAT 777	Applied Algebra/Trigonometry	3	MTWTH	10:00 - 10:50
SPRING	ELT 505	Power Transfer Technology	2	MTWTH	08:00 - 08:50
	ELT 550	Analog Devices	4	MTWTH	09:00 - 10:50

YEAR TWO					
TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	CSC 110	Introduction to Computers	3	MW	08:00 - 09:50
	XXX XXX	Approved Communication Course	3	TTH	08:00 - 09:50
	COM 723	Workplace Communications	3	MTWTH	10:00 - 10:50
WINTER	EGT 425	Digital Electronics	3	MTWTH	08:00 - 09:50
	MFG 777	Business Fundamentals	3	MTWTH	10:00 - 10:50
SPRING	MAT 120	College Algebra	3	MTWTH	08:00 - 08:50
	ELT 180	Microcontroller Applications	2	MTWTH	09:00 - 09:50

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Agricultural/Biofuels Process Technology Curriculum

29% COMPLETED

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

REMAINING CREDITS: 40

BPT 204	Biomanufacturing Systems	1	<input type="checkbox"/>	BPT 157	Good Manufacturing Practices	3	<input type="checkbox"/>
IND 110	CPR, First Aid and Safety	1	<input type="checkbox"/>	BPT 121	Biodiesel Production	2	<input type="checkbox"/>
MAT 742	Technical Math	2	<input type="checkbox"/>	BPT 122	Ethanol Fermentation	2	<input type="checkbox"/>
ELT 736	Instrumentation and Control	2	<input type="checkbox"/>	BPT 132	Bacterial/Fungal Fermentation	2	<input type="checkbox"/>
ENG 111	Technical Writing	3	<input type="checkbox"/>	CHM 121	Introduction to General Chemistry	3	<input type="checkbox"/>
IND 200	Mechanical Drives I	2	<input type="checkbox"/>	IND 142	Industrial Maintenance Pumps	1	<input type="checkbox"/>
MAT 761	Technical Math for Electronics	2	<input type="checkbox"/>	IND 162	Equipment Maintenance	2	<input type="checkbox"/>
BPT 272	Process Control Practicum	3	<input type="checkbox"/>	BPT 281	Bioprocess Technology Practicum	2	<input type="checkbox"/>
BPT 932	Internship	4	<input type="checkbox"/>	BPT 147	Anaerobic Digestion	2	<input type="checkbox"/>
BPT 127	Industrial Chemistry	2	<input type="checkbox"/>	PHY 705	Introduction to Physics	2	<input type="checkbox"/>
BPT 135	Applied Biochemistry	2	<input type="checkbox"/>	XXX XXX	Approved Culture Course	3	<input type="checkbox"/>
BPT 145	Applied Microbiology	4	<input type="checkbox"/>				

Electronic Engineering Technology Curriculum

49% COMPLETED*

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

REMAINING CREDITS: 40

ELT 579	Micro Circuits OR	3	<input type="checkbox"/>	ELT 418	Communication Systems I	4	<input type="checkbox"/>
	Internship (ELT 932)	3	<input type="checkbox"/>	ELT 858	Circuit Design and Test	3	<input type="checkbox"/>
XXX XXX	Approved Culture Course	3	<input type="checkbox"/>	ELT 437	Communication Networks	4	<input type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3	<input type="checkbox"/>	ELT 460	Fiber Optics	3	<input type="checkbox"/>
ATR 266	Automation Programming	2	<input type="checkbox"/>	ELT 515	Wireless Networks	3	<input type="checkbox"/>
EGT 405	Introduction to Engineering Design	3	<input type="checkbox"/>				
ELT 402	Introduction to Communication Systems	3	<input type="checkbox"/>	OPTIONAL COURSE			
ELT 540	Linear Components	3	<input type="checkbox"/>	BUS 128	Foundation to Entrepreneurship	3	<input type="checkbox"/>
EGT 413	Principles of Engineering	3	<input type="checkbox"/>				

Laser and Optics Technology Curriculum

48% COMPLETED*

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

REMAINING CREDITS: 42

LEO 242	Introduction to Photonics	4	<input type="checkbox"/>	LEO 268	Photonics Troubleshooting	3	<input type="checkbox"/>
LEO 257	Laser Components	2	<input type="checkbox"/>	LEO 266	Photonics Applications	4	<input type="checkbox"/>
XXX XXX	Approved Culture Course	3	<input type="checkbox"/>	LEO 275	Optical Systems Analysis	3	<input type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3	<input type="checkbox"/>	LEO 277	Photonic Systems Lab	3	<input type="checkbox"/>
CAD 180	Intro to Solidworks	2	<input type="checkbox"/>				
LEO 255	Geometric Optics	4	<input type="checkbox"/>	OPTIONAL COURSE			
LEO 259	Optical Devices	3	<input type="checkbox"/>	BUS 128	Foundation to Entrepreneurship	3	<input type="checkbox"/>
LEO 262	Laser System Fundamentals	3	<input type="checkbox"/>	LEO 251	Laser Material Processing	4	<input type="checkbox"/>
LEO 250	Automated Laser Processing	3	<input type="checkbox"/>	LEO 932	Internship	4	<input type="checkbox"/>
LEO 253	Physical Optics	2	<input type="checkbox"/>				

Robotics/Automation Technology Curriculum

50% COMPLETED

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

REMAINING CREDITS: 39

Option 1	Robot Programming I (ATR 251) AND	2	<input type="checkbox"/>	EGT 450	PLTW Computer Integrated Manufacturing	3	<input type="checkbox"/>
	Industrial Electronics (ELT 126)	2	<input type="checkbox"/>	ATR 252	Robot Programming II	2	<input type="checkbox"/>
OR				ATR 261	Robot Controllers I	2	<input type="checkbox"/>
Option 2	Internship (MFG 932)	4	<input type="checkbox"/>	ATR 267	Industrial Systems	3	<input type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3	<input type="checkbox"/>	ATR 350	Robot Offline Programming	2	<input type="checkbox"/>
XXX XXX	Approved Culture Course	3	<input type="checkbox"/>	ATR 262	Robot Controllers II	2	<input type="checkbox"/>
ATR 110	Manufacturing Fundamentals	2	<input type="checkbox"/>	ATR 274	Automated System Applications	3	<input type="checkbox"/>
CAD 180	Intro to Solidworks	2	<input type="checkbox"/>	ATR 275	Industrial Networks	2	<input type="checkbox"/>
ELT 130	Control Systems	3	<input type="checkbox"/>	ELT 124	Advanced PLCs and System Integration	3	<input type="checkbox"/>

ENTREPRENEURSHIP

Be your own boss! This certificate program teaches you how to turn solutions into business. Students gain real-world business savvy, get a jump start on a business degree, or prepare to start your own business along-side your hands-on trade program.

YEAR ONE

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	CSC 110	Introduction to Computers	3	MW	08:00 - 09:50
	ACC 111	Introduction to Accounting	3	TTH	08:00 - 09:50
WINTER	ADM 133	Business Math and Calculators	3	MW	08:00 - 09:50
	BUS 128	Foundation to Entrepreneurship	3	TTH	08:00 - 09:50
SPRING	MMS 241	Public Relations and Marketing	3	MW	08:00 - 09:50
	BUS 149	Small Business Financial Management	3	TTH	08:00 - 09:50

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	BUS155	Customer Discovery & Development	3	MW	08:00 - 09:50
	XXX XXX	Approved Culture Course	3	TTH	08:00 - 09:50
	-----	-----Accelerated Option-----	-----	-----	-----
	ENG 105	Composition I	3	MW	10:00 - 11:50
WINTER	FIN 121	Personal Finance	3	TTH	10:00 - 11:50
	ACC 152	Financial Accounting	4	MW	08:00 - 09:50
	BUS 104	Business Essentials	3	TTH	08:00 - 09:50
	-----	-----Accelerated Option-----	-----	-----	-----
SPRING	MGT 101	Principles of Management	3	MW	10:00 - 11:50
	SPC XXX	Speech Elective	3	TTH	10:00 - 11:50
	BUS 910	Leading & Growing Entrepreneurship Companies	3	MW	08:00 - 09:50
	ADM 180	Administrative Management	3	TTH	08:00 - 09:50
-----	-----Accelerated Option-----	-----	-----	-----	
ADM 221	Career Development Skills	2	WWW	WWW	
ECN 120	Macroeconomics (FTO)	3	TTH	10:00 - 11:50	

AWARD: ENTREPRENEURSHIP CERTIFICATE



Entrepreneurship Curriculum

Certificate | Total Credits: 12 | Location: Ottumwa Campus | Start Terms: All Terms

TERM I	TOTAL CREDITS: 12	
BUS 128	Foundation to Entrepreneurship OR	3 <input checked="" type="checkbox"/>
	Introduction to Entrepreneurship (BUS 130)	3 <input type="checkbox"/>
BUS 149	Small Business Financial Management	3 <input checked="" type="checkbox"/>
BUS 155	Customer Discovery and Development	3 <input checked="" type="checkbox"/>
BUS 910	Leading & Growing Entrepreneurial Companies	3 <input checked="" type="checkbox"/>

100%
COMPLETED

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HEALTH UNIT COORDINATOR

Be the person in the center of the hospital health care team who coordinates and manages health information!

YEAR ONE					
TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	BCA 134	Word Processing	3	WWW	WWW
	HSC 220	Legal Principles in Health Care	3	MW	08:00 - 09:50
	BIO 161	Basic Anatomy & Physiology	3	TTH	08:00 - 09:50
WINTER	HSC 113	Medical Terminology	2	MW	08:00 - 09:20
	HSC 141	Pharmaceutical Applications	1	T	08:00 - 09:20
	HSC 230	Employment Preparation	1	TH	08:00 - 09:20
SPRING	HUC 150	HUC Seminar	1	M	08:00 - 09:20
	HUC 121	Health Unit Coordinator (<i>Hybrid</i>)	5	TWTH	08:00 - 09:20
SUMMER	HUC 122	HUC Practicum (<i>160 hours</i>)	2	MTWTHF	07:00 - 10:00

AWARD: HEALTH UNIT COORDINATOR DIPLOMA

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Health Unit Coordinator Curriculum

Diploma | Total Credits: 21 | Location: Ottumwa Campus | Start Term: Fall Term

TERM I	TOTAL CREDITS: 12	
BCA 134	Word Processing	3 <input checked="" type="checkbox"/>
BIO 161	Basic Anatomy & Physiology	3 <input checked="" type="checkbox"/>
HSC 113	Medical Terminology	2 <input checked="" type="checkbox"/>
HSC 141	Pharmaceutical Applications	1 <input checked="" type="checkbox"/>
HSC 220	Legal Principles in Health Care	3 <input checked="" type="checkbox"/>

TERM II	CREDITS: 9	
HSC 230	Employment Preparation	1 <input checked="" type="checkbox"/>
HUC 121	Health Unit Coordinator	5 <input checked="" type="checkbox"/>
HUC 122	HUC Practicum	2 <input checked="" type="checkbox"/>
HUC 150	HUC Seminar	1 <input checked="" type="checkbox"/>

OPTIONAL COURSE		
PNN 147	Nursing Essentials I	3 <input type="checkbox"/>

100%
COMPLETED
DOESN'T INCLUDE OPTIONAL COURSE

INDUSTRIAL MAINTENANCE

Maintaining equipment is one of the most important jobs at a company! Get ready to get your hands-on experience and learn how to figure out issues and fix machines that use electricity, hydraulics, pneumatics, and computer-controlled motor circuits.

YEAR ONE

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	MAT 762 ELT 151	Technical Math for Industry Industrial Electricity	2	MTWTH	08:00 - 08:50
			3	MTWTH	09:00 - 09:50
WINTER	ELE 196	Motor Control Principles	4	MTWTH	08:00 - 09:50
SPRING	ELT 225	Introduction to PLCs	4	MTWTH	08:00 - 09:50

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	CSC 110 XXX XXX IND 200	Introduction to Computers Approved Communication Course Mechanical Drives I	3	MW	08:00 - 09:50
			3	TTH	08:00 - 09:50
			2	MTWTH	10:00 - 10:50
WINTER	IND 204 ADM 221	Fluid Power I Career Development Skills	4	MTWTH	08:00 - 09:50
			2	MTWTH	10:00 - 10:50
SPRING	IND 205 IND 134	Fluid Power II Print Reading	4	MTWTH	08:00 - 09:50
			2	MTWTH	10:00 - 10:50

AWARD: INDUSTRIAL MAINTENANCE TECHNICIAN DIPLOMA

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Industrial Maintenance Curriculum

Associate of Applied Science Degree | Total Credits: 62 | Location: Ottumwa Campus and Centerville Campus
Start Terms: Fall and Spring Terms

TERM I	TOTAL CREDITS: 12	
CSC 110	Introduction to Computers	3 <input checked="" type="checkbox"/>
ELT 151	Industrial Electricity	3 <input checked="" type="checkbox"/>
IND 109	Equipment Safety and Operation	3 <input type="checkbox"/>
XXX XXX	Approved Mathematical Reasoning Course	3 <input type="checkbox"/>

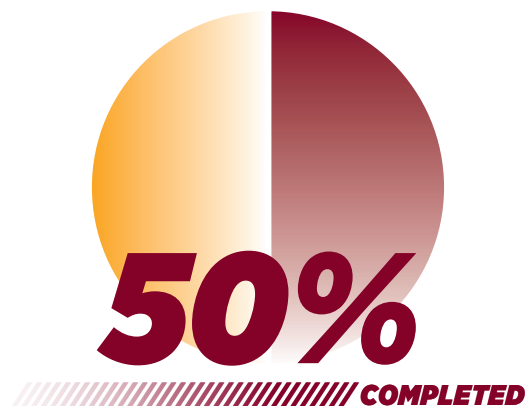
TERM II	TOTAL CREDITS: 10	
ELE 196	Motor Control Principles	4 <input checked="" type="checkbox"/>
IND 134	Print Reading	2 <input checked="" type="checkbox"/>
IND 204	Fluid Power I	4 <input checked="" type="checkbox"/>

TERM III	TOTAL CREDITS: 10	
ELT 225	Introduction to PLCs	4 <input checked="" type="checkbox"/>
IND 162	Equipment Maintenance	2 <input type="checkbox"/>
IND 205	Fluid Power II	4 <input checked="" type="checkbox"/>

TERM IV	TOTAL CREDITS: 9	
AUT 143	Machining for Automotive Mechanics	2 <input type="checkbox"/>
IND 161	Lubrication Certification	2 <input type="checkbox"/>
IND 169	Basic Plumbing and Pipework	2 <input type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3 <input type="checkbox"/>

TERM V	TOTAL CREDITS: 10	
IND 170	Rigging Systems	2 <input type="checkbox"/>
IND 193	Introduction to Pumps	4 <input type="checkbox"/>
IND 200	Mechanical Drives I	2 <input checked="" type="checkbox"/>
IND 201	Mechanical Drives II	2 <input type="checkbox"/>

TERM VI	TOTAL CREDITS: 11	
ADM 221	Career Development Skills	2 <input checked="" type="checkbox"/>
XXX XXX	Approved Culture Course	3 <input type="checkbox"/>
IND 202	Mechanical Drives III	3 <input type="checkbox"/>
XXX XXX	Approved Communication Course	3 <input type="checkbox"/>



INTERACTIVE MEDIA TECHNOLOGY

Got a love for the written word? How about an appreciation for an impeccably designed website? Then we want YOU! Online communication becomes an art form when you study Interactive Media Technology at Indian Hills!

YEAR ONE

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	CSC 110	Introduction to Computers	3	MW	08:00 - 09:50
	GRD 105	Design Basics	3	TTH	08:00 - 09:50
WINTER	SMM 100	Introduction to Social Media	3	MW	08:00 - 09:50
	ENG 101	Elements of Writing	3	TTH	08:00 - 09:50
SPRING	GRA 280	Audio/Video Production Basics	3	WWW	WWW
	XXX XXX	Approved Culture Course	3	MW or TTH	08:00 - 09:50
	SPC XXX	Speech Elective*	3	MW or TTH	08:00 - 09:50

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	GRA 281	Audio/Video Production Basics II	3	MW	08:00 - 09:50
	ART 133	Drawing	3	TH	08:00 - 09:50
	-----	-----Accelerated Option**-----	-----	-----	-----
	XXX XXX	Approved Scientific System Course	3	MW	10:00 - 11:50
WINTER	GRD 110	Introduction to Computer Graphics	3	TH	10:00 - 11:50
	XXX XXX	Approved Mathematical Reasoning Course	3	MW	08:00 - 09:50
	BCA 185	Beginning Webpage Development	3	TH	08:00 - 09:50
	-----	-----Accelerated Option**-----	-----	-----	-----
	SMM 200	Emerging Media Technologies	3	MW	10:00 - 11:50
	SMM 130	Electronic Advertising	3	TH	10:00 - 11:50
SPRING	MMS 241	Public Relations and Marketing	3	MW	08:00 - 09:50
	SMM 180	Mobile Marketing	3	TH	08:00 - 09:50
	-----	-----Accelerated Option**-----	-----	-----	-----
	GRD 210	Computer Graphics II	3	MW	10:00 - 11:50
SMM 115	Introduction to Internet Marketing	3	TH	10:00 - 11:50	

*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.

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Interactive Media Technology Curriculum

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

TERM I	TOTAL CREDITS: 12	
ART 133	Drawing	3 <input checked="" type="checkbox"/>
CSC 110	Introduction to Computers	3 <input checked="" type="checkbox"/>
GRD 105	Design Basics	3 <input checked="" type="checkbox"/>
GRD 110	Introduction to Computer Graphics	3 <input checked="" type="checkbox"/>

TERM II	TOTAL CREDITS: 12	
ART 184	Photography	3 <input type="checkbox"/>
BCA 185	Beginning Webpage Development	3 <input checked="" type="checkbox"/>
ENG 101	Elements of Writing	3 <input checked="" type="checkbox"/>
SMM 100	Introduction to Social Media	3 <input checked="" type="checkbox"/>

TERM III	TOTAL CREDITS: 14	
CIS 216	Web Design and Management	2 <input type="checkbox"/>
GRD 210	Computer Graphics II	3 <input checked="" type="checkbox"/>
MMS 241	Public Relations and Marketing	3 <input checked="" type="checkbox"/>
SMM 115	Introduction to Internet Marketing	3 <input checked="" type="checkbox"/>
XXX XXX	Approved Culture Course	3 <input checked="" type="checkbox"/>

TERM IV	TOTAL CREDITS: 13	
BUS 128	Foundation to Entrepreneurship	3 <input type="checkbox"/>
CIS 226	Advanced Web Design	2 <input type="checkbox"/>
CIS 351	Introduction to Database Concepts	3 <input type="checkbox"/>
GRA 280	Audio/Video Production Basics	3 <input checked="" type="checkbox"/>
SMM 110	Writing for the Web	2 <input type="checkbox"/>

TERM V	TOTAL CREDITS: 12	
GRA 281	Audio/Video Production Basics II	3 <input checked="" type="checkbox"/>
XXX XXX	Approved Mathematical Reasoning Course	3 <input checked="" type="checkbox"/>
XXX XXX	Approved Program Elective	3 <input type="checkbox"/>
SPC 101	Fundamentals of Oral Communication OR	3 <input checked="" type="checkbox"/>
	Public Speaking (SPC 112)	3 <input type="checkbox"/>

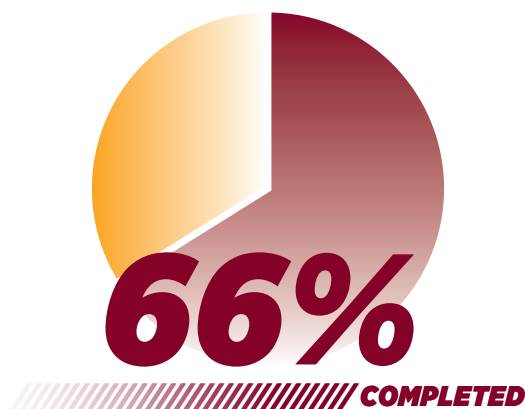
TERM VI	TOTAL CREDITS: 12	
XXX XXX	Approved Program Elective	3 <input type="checkbox"/>
SMM 200	Emerging Media Technologies	3 <input checked="" type="checkbox"/>
SMM 210	Web Analytics	3 <input type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3 <input checked="" type="checkbox"/>

TERM VII	TOTAL CREDITS: 8	
GRD 910	Portfolio Development	2 <input type="checkbox"/>
XXX XXX	Approved Program Elective	3 <input type="checkbox"/>
SMM 910	Internship OR	3 <input type="checkbox"/>
	Service Learning Project (SMM 920)	3 <input type="checkbox"/>

EMPHASIS OPTIONS REQUIRED COURSES

INTERNET MARKETING		
SMM 130	Electronic Advertising	3 <input checked="" type="checkbox"/>
SMM 170	Social Media Campaigns	3 <input type="checkbox"/>
SMM 180	Mobile Marketing	3 <input checked="" type="checkbox"/>

INTERACTIVE WEB		
CIS 198	JavaScript	3 <input type="checkbox"/>
CIS 334	PHP/APACHE/MYSQL	3 <input type="checkbox"/>
GRD 220	Web Animation	3 <input type="checkbox"/>



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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

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	MFG 209	Machine Shop Practices	3	MTWTH	08:00 - 08:50
	MFG 121	Machine Trade Printreading I	2	MTWTH	09:00 - 09:50
WINTER	MFG 222	Machine Operations I (<i>1st half of the course</i>)	2	MTWTH	08:00 - 09:50
SPRING	MFG 131	Machine Operations I (<i>2nd half of the course</i>)	2	MTWTH	08:00 - 08:50
		Machine Trade Printreading II (<i>Hybrid</i>)	2	MTWTH	09:00 - 09:50

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	MFG 228	Machine Operations II	4	MTWTH	08:00 - 11:50
WINTER	MFG 233	Machine Operations III	6	MTWTH	08:00 - 11:50
SPRING	XXX XXX	Approved Culture Course	3	MW	08:00 - 09:50
	XXX XXX	Approved Mathematics Course	3	TTH	08:00 - 09:50
	MFG 262	Mill Operations Theory	3	MTWTH	11:00 - 11:50

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Machine Technology Curriculum

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

TERM I	TOTAL CREDITS: 13	
CSC 105	Computer Essentials	1 <input type="checkbox"/>
MFG 121	Machine Trade Printreading I	2 <input checked="" type="checkbox"/>
MFG 209	Machine Shop Practices	3 <input checked="" type="checkbox"/>
MFG 222	Machine Operations I	4 <input checked="" type="checkbox"/>
MAT 772	Applied Math OR	3 <input checked="" type="checkbox"/>
	Approved Mathematical Reasoning Course	3 <input type="checkbox"/>

TERM II	TOTAL CREDITS: 11	
MFG 131	Machine Trade Printreading II	2 <input checked="" type="checkbox"/>
MFG 228	Machine Operations II	4 <input checked="" type="checkbox"/>
MFG 507	Lean Quality Manufacturing	2 <input type="checkbox"/>
XXX XXX	Approved Culture Course	3 <input checked="" type="checkbox"/>

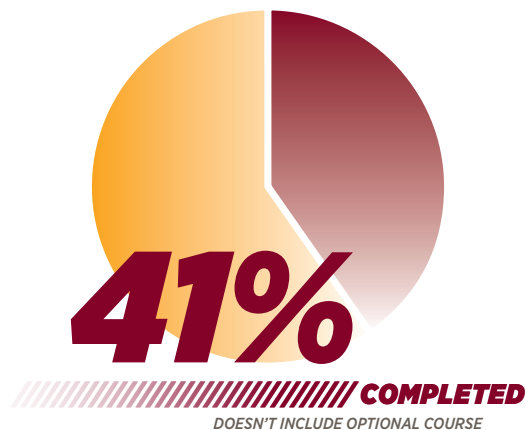
TERM III	TOTAL CREDITS: 13	
CAD 180	Intro to Solidworks	2 <input type="checkbox"/>
MFG 233	Machine Operations III	6 <input checked="" type="checkbox"/>
MFG 349	Introduction to CAM	2 <input type="checkbox"/>
MFG 262	Mill Operations Theory	3 <input checked="" type="checkbox"/>

TERM IV	TOTAL CREDITS: 13	
AUT 140	Welding for Automotive Mechanics	2 <input type="checkbox"/>
CAD 230	Geometric Dimensioning and Tolerancing	2 <input type="checkbox"/>
MFG 234	Machine Operations IV	6 <input type="checkbox"/>
MFG 254	Engine Lathe Theory	3 <input type="checkbox"/>

TERM V	TOTAL CREDITS: 13	
MFG 235	Machine Operations V	6 <input type="checkbox"/>
MFG 352	CNC Lathe Fundamentals	2 <input type="checkbox"/>
MFG 421	Jig and Fixtures	2 <input type="checkbox"/>
XXX XXX	Approved Communication Course	3 <input type="checkbox"/>

TERM VI	TOTAL CREDITS: 11	
MFG 333	CNC Mill Fundamentals	4 <input type="checkbox"/>
MFG 236	Machine Operations VI OR	4 <input type="checkbox"/>
	Internship (MFG 932)	4 <input type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3 <input type="checkbox"/>

OPTIONAL COURSE		
BUS 128	Foundation to Entrepreneurship	3 <input type="checkbox"/>



PHLEBOTOMY TECHNICIAN AND CLINICAL LABORATORY ASSISTANT

Needles, tubes of blood, a phlebotomy tray. Let's help doctors make a life-saving diagnosis and get you a Life. Changing. Career!

YEAR ONE					
TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	MLT 135	Clinical Laboratory Basics I (<i>Hybrid</i>)	3	MW	08:00 - 09:50
	BIO 161	Basic Anatomy and Physiology	3	TTH	08:00 - 09:50
WINTER	HSC 113	Medical Terminology	2	MW	08:00 - 09:20
	HSC 141	Pharmaceutical Applications	1	T	08:00 - 09:20
	HSC 230	Employment Preparation	1	TH	08:00 - 09:20
SPRING	PHB 270	Phlebotomy Clinical (<i>120 hours</i>)	1	MTWTHF	07:00 - 10:00

AWARD: PHLEBOTOMY TECHNICIAN CERTIFICATE

YEAR TWO					
TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	CSC 110	Introduction to Computers	3	MW	08:00 - 09:50
	SPC 101	Fundamentals of Oral Communication	3	TTH	08:00 - 09:50
WINTER	HSC 212	Pathophysiology (<i>Hybrid</i>)	3	MW	08:00 - 09:50
	MLT 136	Clinical Laboratory Basics II (<i>Hybrid</i>)	3	TTH	08:00 - 09:50
	MLT 175	CLA Practicum I (<i>40 hours - Last 2 weeks of term</i>)	1	MTWTHF	07:00 - 09:50
SPRING	HSC 227	CLA Administrative Procedures (<i>Hybrid</i>)	2	MW	08:00 - 09:20
	MLT 295	Topics in Clinical Laboratory Sciences (<i>Hybrid</i>)	1	MW	09:20 - 09:50
	MLT 137	Clinical Laboratory Basics III (<i>Hybrid</i>)	3	TTH	08:00 - 09:50
	MLT 176	CLA Practicum II (<i>40 hours - Last 2 weeks of term</i>)	1	MTWTHF	07:00 - 09:50

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

TERM I	TOTAL CREDITS: 8	
BIO 161	Basic Anatomy and Physiology	3 <input checked="" type="checkbox"/>
HSC 113	Medical Terminology	2 <input checked="" type="checkbox"/>
HSC 230	Employment Preparation	1 <input checked="" type="checkbox"/>
MLT 112	Principles of Phlebotomy (<i>Met with MLT 135</i>)	2 <input checked="" type="checkbox"/>
TERM II	TOTAL CREDITS: 1	
PHB 270	Phlebotomy Clinical	1 <input checked="" type="checkbox"/>

100%
COMPLETED

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@naacsls.org

TERM I	TOTAL CREDITS: 12	
BIO 161	Basic Anatomy and Physiology	3 <input checked="" type="checkbox"/>
CSC 105	Computer Essentials (<i>Met with CSC 110</i>)	1 <input checked="" type="checkbox"/>
HSC 113	Medical Terminology	2 <input checked="" type="checkbox"/>
MLT 135	Clinical Laboratory Basics I	3 <input checked="" type="checkbox"/>
SPC 101	Fundamentals of Oral Communication	3 <input checked="" type="checkbox"/>
TERM II	TOTAL CREDITS: 8	
HSC 141	Pharmaceutical Applications	1 <input checked="" type="checkbox"/>
HSC 212	Pathophysiology	3 <input checked="" type="checkbox"/>
MLT 136	Clinical Laboratory Basics II	3 <input checked="" type="checkbox"/>
MLT 175	CLA Practicum I	1 <input checked="" type="checkbox"/>
TERM III	TOTAL CREDITS: 8	
HSC 227	CLA Administrative Procedures	2 <input checked="" type="checkbox"/>
HSC 230	Employment Preparation	1 <input checked="" type="checkbox"/>
MLT 137	Clinical Laboratory Basics III	3 <input checked="" type="checkbox"/>
MLT 176	CLA Practicum II	1 <input checked="" type="checkbox"/>
MLT 295	Topics in Clinical Laboratory Sciences I	1 <input checked="" type="checkbox"/>

100%
COMPLETED

2019-20 College Catalog and Student Handbook. Curriculum is subject to change.

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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

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	IND 110	CPR, First Aid and Safety	1	MTWTH	12:20 - 12:55
	WEL 228	Introduction to Welding, Safety & Health of Welders	1	MTWTH	12:55 - 1:15
	WEL 254	Welding Inspection and Testing Principles	1	MTWTH	1:15 - 1:35
	WEL 274	Shielded Metal Arc Welding I	3	MTWTH	1:35 - 3:00
WINTER	WEL 233	Print Reading and Welding Symbol	3	MTWTH	12:20 - 1:00
	WEL 245	Gas Metal Arc Welding Spray Transfer	2	MTWTH	1:05 - 2:00
	WEL 244	Gas Metal Arc Welding Short Circuit	2	MTWTH	2:05 - 3:00
SPRING	WEL 201	Procedures and Qualifications	1	MTWTH	12:20 - 12:40
	WEL 182	FCAW	2	MTWTH	12:40 - 1:40
	MAT 762	Technical Math for Industry	2	MTWTH	1:40 - 2:00
	WEL 251	Gas Tungsten Arc Welding for Carbon Steel	2	MTWTH	2:00 - 3:00

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	WEL 275	Shielded Metal Arc Welding II	3	MTWTH	12:20 - 2:05
	WEL 262	Thermal Cutting Processes I	2	MTWTH	2:05 - 3:00
WINTER	WEL 211	Production Welding Procedures	4	MTWTH	12:00 - 2:15
	WEL 253	Gas Tungsten Arc Welding for Austenitic Stainless Steel	1	MTWTH	2:15 - 3:00
SPRING	WEL 174	Advanced Welding Procedures II	3	TWTH	12:30 - 2:20
	WEL 200	Metallurgy Fundamentals	2	MTWTH	2:20 - 3:00
	ADM 221	Career Development Skills	2	WWW	WWW

AWARD: WELDING TECHNICIAN DIPLOMA

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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	<input checked="" type="checkbox"/>
MAT 762	Technical Math for Industry	2	<input checked="" type="checkbox"/>
WEL 228	Introduction to Welding, Safety & Health of Welders	1	<input checked="" type="checkbox"/>
WEL 254	Welding Inspection and Testing Principles	1	<input checked="" type="checkbox"/>
WEL 262	Thermal Cutting Process I-Manual and Mechanized OxyFuel Cutting	2	<input checked="" type="checkbox"/>
WEL 274	Shielded Metal Arc Welding I	3	<input checked="" type="checkbox"/>

TERM II TOTAL CREDITS: 12

MAT 772	Applied Math OR	3	<input type="checkbox"/>
	Approved Mathematical Reasoning Course	3	<input type="checkbox"/>
WEL 201	Procedures and Qualifications	1	<input checked="" type="checkbox"/>
WEL 233	Print Reading and Welding Symbol Interpretation	3	<input checked="" type="checkbox"/>
WEL 244	Gas Metal Arc Welding Short Circuit Transfer	2	<input checked="" type="checkbox"/>
WEL 251	Gas Tungsten Arc Welding (GTAW) for Carbon Steel	2	<input checked="" type="checkbox"/>
WEL 253	Gas Tungsten Arc Welding (GTAW) for Austenitic Stainless Steel	1	<input checked="" type="checkbox"/>

TERM III TOTAL CREDITS: 12

CSC 105	Computer Essentials	1	<input type="checkbox"/>
WEL 174	Advanced Welding Procedures II	3	<input checked="" type="checkbox"/>
WEL 182	FCAW	2	<input checked="" type="checkbox"/>
WEL 275	Shielded Metal Arc Welding II	3	<input checked="" type="checkbox"/>
XXX XXX	Approved Communications Course	3	<input type="checkbox"/>

TERM IV TOTAL CREDITS: 10

ADM 221	Career Development Skills	2	<input checked="" type="checkbox"/>
WEL 200	Metallurgy Fundamentals	2	<input checked="" type="checkbox"/>
WEL 211	Production Welding Procedures OR	4	<input checked="" type="checkbox"/>
	Internship (WEL 932)	4	<input type="checkbox"/>
WEL 245	Gas Metal Arc Welding Spray Transfer	2	<input checked="" type="checkbox"/>

TERM V TOTAL CREDITS: 12

AUT 143	Machining for Automotive Mechanics	2	<input type="checkbox"/>
CRR 310	Adapters, Tools and Measurements	1	<input type="checkbox"/>
MFG 203	Manufacturing Processes	3	<input type="checkbox"/>
WEL 710	Robotic Welding	3	<input type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3	<input type="checkbox"/>

TERM VI TOTAL CREDITS: 11

BUS 104	Business Essentials OR	3	<input type="checkbox"/>
	Introduction to Business (BUS 102)	3	<input type="checkbox"/>
MFG 507	Lean Quality Manufacturing	2	<input type="checkbox"/>
WEL 230	Welding Quality Assurance	3	<input type="checkbox"/>
XXX XXX	Approved Culture Course	3	<input type="checkbox"/>

TERM VII (OPTIONAL) TOTAL CREDITS: 8

WEL 308	Pipe Welding/Uphill SMAW	4	<input type="checkbox"/>
WEL 309	Pipe Welding/Downhill SMAW	4	<input type="checkbox"/>

