

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

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	BPT 145	Applied Microbiology	4	MTWTH	08:00 - 09:50
	BPT 157	Good Manufacturing Practices	3	MTWTH	10:00 - 10:50
WINTER	BPT 132	Bacterial/Fungal Fermentation	2	MTWTH	08:00 - 08:50
	ENG 111	Fermentation Lab Practice Technical Writing	3	MTWTH WWW	09:00 - 10:50 WWW
SPRING	BPT 147	Anaerobic Digestion	2	MTWTH	08:00 - 08:50
	COM 723	Anaerobic Lab Practice Workplace Communications	3	MTWTH	09:00 - 09:50 10:00 - 10:50

YEAR TWO

TERM	CLASS	NAME	CREDITS	DAYS	TIME
FALL	ELT 373	DC Circuit Analysis	4	MTWTH	08:00 - 09:50
	MAT 742	Technical Math	2	MTWTH	10:00 - 10:50
	CSC 110	Introduction to Computers	3	WWW	WWW
WINTER	XXX XXX	Approved Culture Course	3	WWW	WWW
	BPT 121	Biodiesel Production	2	MTWTH	09:00 - 09:50
	BPT 122	Ethanol Fermentation	2	MTWTH	10:00 - 10:50
	MAT 777	Applied Algebra and Trigonometry	3	MTWTH	11:00 - 11:50
SPRING	BPT 932	Internship	4	MTWTHF	TBD

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 (staff), 525 Grandview Ave, Ottumwa, IA 52501, (641) 683-5282, hrequity@indianhills.edu; Dean, Student Development (students), (641) 683-5159, studentsequity@indianhills.edu; Dean, Centerville Campus & Learning Services (students with disabilities), (641) 683-5174, learningservicesequity@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.



Agricultural/Biofuels Process Technology Curriculum

Associate of Applied Science Degree | Total Credits: 74 | Location: Eddyville and Ottumwa Campuses | Start Term: Fall Term

TERM I	TOTAL CREDITS: 11	
BPT 104	Introduction to Biotechnology	3 <input type="checkbox"/>
BPT 204	Biomanufacturing Systems	1 <input type="checkbox"/>
ELT 373	DC Circuit Analysis	4 <input checked="" type="checkbox"/>
IND 110	CPR, First Aid and Safety	1 <input checked="" type="checkbox"/>
MAT 742	Technical Math	2 <input checked="" type="checkbox"/>

TERM II	TOTAL CREDITS: 13	
ELT 180	Microcontroller Applications	2 <input type="checkbox"/>
ELT 375	AC Fundamentals	2 <input type="checkbox"/>
ELT 736	Instrumentation and Control	2 <input type="checkbox"/>
ENG 111	Technical Writing	3 <input checked="" type="checkbox"/>
IND 200	Mechanical Drives I	2 <input type="checkbox"/>
MAT 777	Applied Algebra and Trigonometry	3 <input checked="" type="checkbox"/>

TERM III	TOTAL CREDITS: 10	
BPT 272	Process Control Practicum	3 <input type="checkbox"/>
ELT 550	Analog Devices	4 <input type="checkbox"/>
XXX XXX	Approved Mathematical Reasoning Course	3 <input type="checkbox"/>

TERM IV	TOTAL CREDITS: 4	
BPT 932	Internship	4 <input checked="" type="checkbox"/>

TERM V	TOTAL CREDITS: 14	
BPT 127	Industrial Chemistry	2 <input type="checkbox"/>
BPT 135	Applied Biochemistry	2 <input type="checkbox"/>
BPT 145	Applied Microbiology	4 <input checked="" type="checkbox"/>
BPT 157	Good Manufacturing Practices	3 <input checked="" type="checkbox"/>
CSC 110	Introduction to Computers	3 <input checked="" type="checkbox"/>

TERM VI	TOTAL CREDITS: 12	
BPT 121	Biodiesel Production	2 <input checked="" type="checkbox"/>
BPT 122	Ethanol Fermentation	2 <input checked="" type="checkbox"/>
BPT 132	Bacterial/Fungal Fermentation	2 <input checked="" type="checkbox"/>
CHM 121	Introduction to General Chemistry	3 <input type="checkbox"/>
IND 142	Industrial Maintenance Pumps	1 <input type="checkbox"/>
IND 162	Equipment Maintenance	2 <input type="checkbox"/>

TERM VII	TOTAL CREDITS: 9	
BPT 281	Bioprocess Technology Practicum	2 <input type="checkbox"/>
BPT 147	Anaerobic Digestion	2 <input checked="" type="checkbox"/>
PHY 705	Introduction to Physics	2 <input type="checkbox"/>
XXX XXX	Approved Culture Course	3 <input checked="" type="checkbox"/>

