

MICHIGAN STATE UNIVERSITY

January 12, 2018

MEMORANDUM

TO: Dr. R. Sekhar Chivukula, Associate Provost for Undergraduate Education and Dean of Undergraduate Studies

FROM: Dr. John Gaboury, Associate Provost for Academic Services, Enrollment Management, and Academic Initiatives

RE: Request to Phase Out and Discontinue the Agricultural Technology Certificate in Applied Plant Science

For Transmittal to the University Committee on Undergraduate Education (UCUE)

The request referenced above is being sent to you for action by the University Committee on Undergraduate Education (UCUE).

UCUE Response Requested:

Please ask the University Committee on Undergraduate Education (UCUE) to consider the request referenced above. Please mail the related materials referenced under the heading Attachments at the end of this memorandum to the committee members.

After receiving UCUE's consultative response, the Provost will make a determination to discontinue/not discontinue this program. Then, the program's curriculum and degree requirements referenced above will be included on the agenda for the April 17, 2018 meeting of Subcommittee A, University Committee on Curriculum (UCC). Requests that are approved by Subcommittee A on April 17 will be before the Full Committee, UCC, for action on April 26, 2018. Requests that are approved by the Full Committee on April 26 will be included in the September, 2018, Report of the UCC to the Faculty Senate.

If you have any questions about this memorandum or the attached materials, please contact Joy Speas, University Curriculum Administrator, at 5-8420.

Thank you.
Attachments:

1. Request for Discontinuation form dated November 30, 2017; Agricultural Technology Certificate in Applied Plant Science and attachments.
2. Student Enrollments by Program; Student Awards by Programs (for the request referenced above).

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University Curriculum and Catalog

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COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

1. **Request to delete the curriculum and degree requirements for the Agricultural Technology Certificate in Applied Plant Sciences in the Institute for Agricultural Technology. The University Committee on Undergraduate Education (UCUE) will provide consultative commentary to the Provost after considering this request. The Provost will make a determination after considering the consultative commentary from the University Committee on Undergraduate Education.**

No new students are to be admitted to the program effective Fall 2017. No students are to be readmitted to the program effective Fall 2017. Effective Summer 2018, coding for the program will be discontinued and the program will no longer be available in the Institute for Agricultural Technology. Students who have not met the requirements for the Agricultural Technology Certificate through the Institute for Agricultural Technology prior to Summer 2018 will have to change their certificate.



Michigan State University Office of the Registrar

Main Menu

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Program Name: Applied Plant Science Degree: ATCT Sequence Number: 4	Program Request ID: 3588
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Effective Dates: Summer 2018	Status: Interim	Initial Action: Deleted
Requested Date: 10/11/2017 1:55:15 PM		

1. Department/School/College:

02042 Institute of Agricultural Technology

2. Name of Program:

Applied Plant Science

3. Name of Degree:

ATCT

4. Type of Program:**5. Effective Start Semester:**

Summer 2018

Effective End date:

Summer 2018

Will the proposed change(s) have a negative impact on students? If so, which ones?:

No

Describe impact and explain what accommodations will be made:

NA

Reason(s) for change(s):

Program has be expanded into two new programs.

DEPARTMENT LEVEL APPROVAL STATUS

Approved: Institute of Agricultural Technology
11/29/2017 2:39:43 PM by Randy Showerman for Randy Showerman, Director

COLLEGE LEVEL APPROVAL STATUS

Approved: College of Agriculture and Natural Resources
11/30/2017 6:47:30 AM by Kelly Millenbah for Kelly Millenbah, Associate Dean

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Enrollments and Awards By Program Agriculture and Natural Resources

Program - Description	Span		FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	Total	10 yr Diff.
PHD - Doctor of Philosophy														
0143 - Agricultural & Extension Ed	SQ85-FS03	Enrollments	9	5	4	3	2	1	0	0	0	0	24	-9
		Awards	2	2	0	1	1	1	0	0	0	0	7	-2
		%	22%	40%	0%	33%	50%	100%	0%	0%	0%	0%	0%	29%
VOC - Vocational Endorsement														
0509 - Agriscience & Natural Resource	FS92-	Enrollments	1	1	0	3	1	0	0	0	0	0	6	-1
0123 - Natural Resources	FQ83-SS11	Enrollments												0
0122 - Ornamental Horticulture	FQ83-SS11	Enrollments												0
<i>Agricultural Technology Institute</i>														
ATCT - Technology Certificate														
0521 - Agricultural Industries	SS00-	Enrollments	41	60	69	58	64	74	80	83	86	93	708	52
		Awards	7	9	21	16	18	20	29	26	30	12	188	5
		%	17%	15%	30%	28%	28%	27%	36%	31%	35%	13%	27%	-4%
5418 - Agricultural Industries - Second Degree	SS15-	Enrollments												0
5411 - Agricultural Operations	FS15-	Enrollments	0	0	0	0	0	0	0	0	0	35	35	35
5392 - Applied Horse Science	SS15-	Enrollments	0	0	0	0	0	0	0	0	0	8	8	8
→ 0525 - Applied Plant Science	SS01-	Enrollments	10	16	21	20	40	40	32	39	42	17	277	7
		Awards	2	2	4	6	5	2	4	7	6	2	40	0
		%	20%	13%	19%	30%	13%	5%	13%	18%	14%	12%	14%	-8%
0522 - Beef Cattle Management	FS01-	Enrollments	16	11	11	14	13	8	9	13	23	21	139	5
		Awards	5	3	2	4	5	5	3	2	6	9	44	4
		%	31%	27%	18%	29%	38%	63%	33%	15%	26%	43%	32%	12%
5419 - Beef Cattle Management - Second Degree	SS15-	Enrollments												0

Fiscal Year (FY) counts are distinct student counts within the Summer, Fall, and Spring terms.
e.g. FY07=distinct student count within Summer 06, Fall 06, and Spring 07.
If a student changed majors within the FY, he/she is counted under both majors.

Applied Plant Science

Employment and career opportunities continue to expand for those who have training and educational preparation in applied plant science. In response to this regional plant industry need, Northwestern Michigan College (NMC) partners with Michigan State University to offer a combined program, which enables students to complete an Associate of Applied Science degree through Northwestern Michigan College as well as an MSU Institute of Agricultural Technology certificate - without leaving their local area.

Bringing together the world-acclaimed expertise of Michigan State University's College of Agriculture and Natural Resources and the "close to home" convenience of outstanding community colleges, the Applied Plant Science program prepares graduates for a wide range of employment and career choices. Each student receives personal, one-on-one help in selecting her/his program of study (including workplace internship). Students may earn their certificate in Applied Plant Science with concentrations in Commercial Horticulture Operations, Commercial Turfgrass Operations, or Landscape Horticulture.

Requirements for Applied Plant Science

1. All of the following courses (21 credits):

AT	293	Professional Internship in Agricultural Technology	3
CSS	210	Fundamentals of Soil Science	3
ENT	111	Basics of Applied Entomology	3
ESA	225	Land and Environmental Issues in Law and Policy	3
HRT	213	Landscape Maintenance	2
HRT	215	Landscape Industries Seminar	1
HRT	218	Landscape Irrigation	3
PLP	200	Plant Diseases and Pathogens	3
2. One of the following concentrations (9 credits):
 - Commercial Horticulture Operations**
Complete 9 credits from the following:

HRT	205	Plant Mineral Nutrition	1
HRT	208	Pruning and Training Systems in Horticulture	3
HRT	221	Greenhouse Structures and Management	3
HRT	242	Passive Solar Greenhouses for Protected Cultivation	1
HRT	251	Organic Farming Principles and Practices	3
HRT	253	Compost Production and Use	1
HRT	332	Tree Fruit Production and Management	2
HRT	335	Berry Crop Production and Management	1
HRT	341	Vegetable Production and Management	3
 - Commercial Turfgrass Operations**
 1. All of the following courses:

CSS	202	The World of Turf	2
CSS	203	Applied Turf Management	1
CSS	290	Independent Study in Crop and Soil Science	1
CSS	292	Management of Turfgrass Weeds	3
 2. Complete a minimum of 2 credits from the following:

CSS	181	Pesticide and Fertilizer Application Technology	3
HRT	111	Landscape Design	3
HRT	208	Pruning and Training Systems in Horticulture	3
HRT	211	Landscape Plants I	3
HRT	212	Landscape Plants II	3
HRT	214	Landscape and Turfgrass Business Operations	2
HRT	290	Independent Study in Horticulture	2
 - Landscape Horticulture**
All of the following courses:

HRT	111	Landscape Design	3
HRT	211	Landscape Plants I	3
HRT	212	Landscape Plants II	3
3. Complete 22 credits of course work from Northwestern Michigan College as approved by the student's academic advisor.