

ASSOCIATE OF SCIENCE IN AGRICULTURAL OPERATIONS DEGREE - MSU

Students seeking an Associates of Science in Agricultural Operations are prepared to go on to further studies in agriculture. Students will take courses from Glen Oaks and Michigan State University Institute of Agricultural Technology (IAT) to earn the AS degree and certificate. It is designed to fulfill the Michigan Transfer Agreement (MTA) requirements while providing flexibility in preparing students for transfer. Students will study in such fields as soil and water usage, plant nutrients, crop disease and pest management, emerging technologies, and regulations. Students are required to meet with advisors from Glen Oaks and IAT program coordinator on course selection to ensure transferability.

Requirements

Code	Title	Credits
Communication		6.00
ENG-121	ENGLISH COMPOSITION I ¹	
ENG-122	ENGLISH COMPOSITION II ¹	
Humanities/Social Science		7.00
Select two courses from two different prefixes:		
ART-100	ART APPRECIATION ¹	
ART-220	HISTORY OF ART I ¹	
ART-221	HISTORY OF ART II ¹	
COM-110	INTERPERSONAL COMMUNICATIONS	
COM-150	PUBLIC SPEAKING ¹	
ENG-201	WOMEN & LITERATURE ¹	
ENG-233	CHILDRENS LITERATURE ¹	
ENG-234	WORLD MYTHOLOGIES ¹	
	or HUM-234 WORLD MYTHOLOGIES	
HIST-101	WEST CIV I: ANCIENT WORLD-1715 ¹	
HIST-102	WESTERN CIV II ¹	
HUM-101	MODERN CULTURE & THE ARTS ¹	
LNG-161	SPANISH I	
LNG-162	SPANISH II ¹	
LNG-163	SPANISH III ¹	
LNG-261	SPANISH IV ¹	
MUS-150	MUSIC APPRECIATION ¹	
PHIL-210	ETHICS ¹	
PHIL-230	INTRO TO PHILOSOPHY ¹	
REL-231	COMPARATIVE RELIGION	
REL-233	NEW TESTAMENT	
Mathematics		4.00
MATH-151	COLLEGE ALGEBRA ¹	
Natural Science		3.00
Select one of the following:		
BIO-101	HUMAN BIOLOGY (Select one of the following:) ¹	
BIO-110	BIOLOGICAL FORM AND FUNCTION ¹	
BIO-120	INTRODUCTION TO BIOLOGY ¹	
BIO-121	MOLECULAR AND CELLULAR BIOLOGY ¹	
BIO-122	ORGANISMAL BIOLOGY ¹	

BIO-125	ENVIRONMENT AND SOCIETY ¹	
BIO-210	HUMAN ANATOMY & PHYSIOLOGY I ¹	
BIO-211	HUMAN ANATOMY & PHYSIOLOGY II ¹	
BIO-230	MICROBIOLOGY ¹	
GEOG-142	PHYSICAL GEOGRAPHY ¹	
GEOL-145	PHYSICAL GEOLOGY ¹	
PHYS-144	ASTRONOMY ¹	
PHYS-251	PHYSICS I ¹	
PHYS-253	PHYSICS II ¹	
Social Science		3.00
Select one of the following:		
ANTH-201	INTRO TO CULTURAL ANTHROPOLOGY (Select one of the following:) ¹	
HIST-101	WEST CIV I: ANCIENT WORLD-1715 ¹	
HIST-102	WESTERN CIV II ¹	
HIST-201	US HISTORY I ¹	
HIST-202	US HIST II: RECONSTRUC-PRESENT ¹	
HIST-204	HISTORY OF MICHIGAN ¹	
PHIL-210 may be used to fulfill Social Science credit (if not used for Humanities requirement)		
PSI-110	AMERICAN GOV'T & POLITICAL SCI ¹	
PSI-111	STATE & LOCAL GOVERNMENT ¹	
PSY-101	PSYCHOLOGY	
PSY-210	HUMAN GROWTH & DEVELOPMENT ¹	
PSY-220	ABNORMAL PSYCHOLOGY ¹	
PSY-250	HUMAN SEXUALITY ¹	
PSY-260	SOCIAL PSYCHOLOGY ¹	
SOC-120	PRIN OF SOCIOLOGY ¹	
SOC-121	MODERN SOCIAL PROBLEMS ¹	
SOC-220	MARRIAGE & FAMILY LIVING ¹	
Required Courses		8.00
CHEM-133	GENERAL CHEMISTRY I ¹	
ECON-203	PRIN OF ECONOMICS-MICRO ¹	
Electives		3.00
Select 0-3 elective credits as needed to reach 34 total GOCC credit hours		
Total Credits		34.00

¹

Course has prerequisite(s)

Tuition is calculated by contact hours per semester.

Note: No courses under 100 level are accepted toward this degree.

All GOCC courses must be completed with a grade of 2.0 or higher.

MSU IAT Requirements

Code	Title	Credits
ABM FARM MANAGEMENT I		3.00
AE 131 WATER RESOURCE PROTECTION AND MANAGEMENT		3.00
AE 143 APPLICATION OF PRECISION AGRICULTURE TECHNOLOGIES		3.00
AT 202 AGRICULTURAL REGULATION, COMPLIANCE AND SAFETY COURSE		3.00
AT 293 PROFESSIONAL INTERNSHIP IN AGRICULTURAL TECHNOLOGY		3.00

CSS 101 INTRODUCTION TO CROP SCIENCE	3.00
CSS 105 AGRICULTURAL INDUSTRIES SEMINAR	1.00
CSS 126 INTRODUCTION TO WEED MANAGEMENT	2.00
CSS 143 APPLIED SOIL SCIENCE	2.00
ENT 110 APPLIED ENTOMOLOGY OF ECONOMIC PLANTS	3.00
PLP 105 FUNDAMENTALS OF APPLIED PLANT PATHOLOGY	2.00
MSU ELECTIVES	6.00
Total Credits	34.00

Total: 68 Credits

MSU Courses are billed through MSU

GOCC tuition is calculated on contact hours.

Current/Updated: 07/01/2023