



**MISSISSIPPI STATE
UNIVERSITY**

2 + 2 Bachelor of Science Degree in Poultry Science

Jones County Junior College and Mississippi State University

A grade of C or higher is required in all courses beginning in PO or VS

6 Hr English Composition:

Community College Courses	Equivalent Course @ MSU
ENG 1113 English Composition I	EN 1103 English Composition I
ENG 1123 English Composition II	EN 1113 English Composition II

6 Hr Mathematics:

Community College Courses	Equivalent Course @ MSU
MAT 1313 College Algebra	MA 1313 College Algebra
Select one math course higher than College Algebra from the list below (Pre Vet Concentration PVSP must take MAT 1323 Trigonometry)	
MAT 1323 Trigonometry	MA 1323 Trigonometry
MAT 1333 Finite Math and Intro to Calculus	MA 1463 Finite & Introduction to Calculus
MAT 1513 Business Calculus I	MA 1613 Calculus for Business & Life Science I
MAT 2323 Statistics	ST 2113 Statistics
MAT 1613 Calculus I	MA 1713 Calculus I
MAT 1623 Calculus II	MA 1723 Calculus II
MAT 2613 Calculus III	MA 2733 Calculus III
MAT 2623 Calculus IV	MA 2743 Calculus IV

3 Hr Fine Arts (select one):

Community College Courses	Equivalent Course @ MSU
ART 1113 Art Appreciation	ART 1113 Art Appreciation
ART 2713 Art History I	ART 1013 Art History I
ART 2723 Art History II	ART 1023 Art History II
APT 2233 Theatre Appreciation	CO 1503 Introduction to Theatre
MUS 1113 Music Appreciation	MU 1113 History and Appreciation of Music

6 Hr Humanities (select two):

Community College Courses	Equivalent Course @ MSU
ENG 2223 American literature I	EN 2243 American Literature I
ENG 2233 American Literature II	EN 2253 American Literature II
ENG 2323 English Literature I	EN 2213 English Literature I
ENG 2333 English Literature II	EN 2223 English Literature II
HIS 2213 American (US) History I	HI 1063 Early US History
HIS 2223 American (US) History II	HI 1073 Modern US History
HIS 1113 Western Civilization I	HI 1213 Early West World
HIS 1123 Western Civilization II	HI 1223 Modern West World
MFL 1223 Spanish II	FLS 1123 Spanish II
MFL 2213 Spanish III	FLS 2133 Spanish III
PHI 2123 Introduction to Philosophy	PHI 1103 Introduction to Philosophy
PHI 2713 Logic	PHI 1113 Introduction to Logic

6 Hr Social/Behavioral Sciences (select two):

Community College Courses	Equivalent Course @ MSU
PSY 1513 General Psychology	PSY 1013 General Psychology
SOC 2113 Introduction to Sociology	SO 103 Introduction to Sociology
SOC 2133 Social Problems	SOC 1103 Contemporary Social Problems
SOC 2143 Marriage and Family	SO 1203 Marriage and Family
GEO 1113 World Geography	GR 1123 Introduction to World Geography
PSC 1113 American National Government	PS 1113 American Government
ECO 2123 Principles of Microeconomics	EC 2123 Principles of Microeconomics
EPY 2533 Human Growth and Development	EPY 2513 Human Growth and Development
Business Management Concentration cannot take the following course as a social science (all other concentrations can)	
ECO 2113 Principles of Macroeconomics	EC 2113 Principles of Macroeconomics
Pre Vet Concentration (PVSP) and Processed Products Concentration (POPP) can also choose to take the following course as one of their humanities requirements.	
AGR 2713 Prin of Ag Economics	AEC 2713 Intro to Food and Resource Economic

Science and Electives by Concentration:**Processed Products (POPS) Sciences:**

Community College Courses	Equivalent Course @ MSU
BIO 1134 General Biology I	BIO 1134 Biological Science I
BIO 1144 General Biology II	BIO 1144 Biological Science II
CHE 1114 Gen Chemistry Survey (Basic)	CH 1043 Gen Chemistry I

Processed Products (POPS) Concentration courses:

AGR 2713 Prin of Ag Economics	AEC 2713 Intro to Food and Resource Economic
AGR 2314 Soils	PSS 3303 Soils
MFL 1213 Spanish I	FLS 1113 Spanish I
AGR 2113 Poultry Production Internship	PO 3353 Poultry Production Internship
AGR 2123 Poultry Processing Internship	PO 3363 Poultry Processing Internship
ACC 1213 Principles of Accounting	ACC 2013 Principles of Financial Accounting
BAD 2414 Legal Environment of Business	BL 2413 Legal Environment of Business

62 Total Hours to transfer to Mississippi State University for the POPS Concentration**Business Management (POBM):**

Community College Courses	Equivalent Course @ MSU
BIO 1134 General Biology I	BIO 1134 Biological Science I
BIO 1144 General Biology II	BIO 1144 Biological Science II
CHE 1114 Gen Chemistry Survey (Basic)	CH 1043 Gen Chemistry I

Business Management (POBM) Concentration Courses:

AGR 2713 Prin of Ag Economics	AEC 2713 Intro to Food and Resource Economic
MFL 1213 Spanish I	FLS 1113 Spanish I
AGR 2113 Poultry Production Internship	PO 3353 Poultry Production Internship
AGR 2123 Poultry Processing Internship	PO 3363 Poultry Processing Internship
ACC 1213 Principles of Accounting I	ACC 2013 Principles of Financial Accounting
BAD 2414 Legal Environment of Business	BL 2413 Legal Environment of Business
ACC 1223 Principles of Accounting II	ACC 2023 Principles of Managerial Accounting
OR	OR
ECO 2113 Principles of Macroeconomics	EC 2113 Principles of Macroeconomics

61 Total Hours to transfer to Mississippi State University for the POBM Concentration**Processed Products (POPP) Science:**

Community College Courses	Equivalent Course @ MSU
BIO 1134 General Biology I	BIO 1134 Biological Science I
BIO 1144 General Biology II	BIO 1144 Biological Science II
CHE 1214 General Chemistry I	CH1213 and CH 1211 Fundamentals of Chemistry
CHE 1224 General Chemistry II	CH 1223 and CH 1221 Fundamentals of Chemistry
CHE 2424 Organic Chemistry I	CH 4513 and CH 4511 Organic Chemistry/Lav
CHE 2434 Organic Chemistry II	CH 4513 and CH 4521 Organic Chemistry/Lav

Processed Products (POPP) Concentration Courses:

MFL 1213 Spanish I	FLS 1113 Spanish I
AGR 2113 Poultry Production Internship	PO 3353 Poultry Production Internship
AGR 2123 Poultry Processing Internship	PO 3363 Poultry Processing Internship

60 Total Hours to transfer to Mississippi State University for the POPP Concentration

Pre Vet (PVSP) Science:

Community College Courses	Equivalent Course @ MSU
BIO 1134 General Biology I	BIO 1134 Biological Science I
BIO 1144 General Biology II	BIO 1144 Biological Science II
CHE 1214 General Chemistry I	CH1213 and CH 1211 Fundamentals of Chemistry
CHE 1224 General Chemistry II	CH 1223 and CH 1221 Fundamentals of Chemistry
CHE 2424 Organic Chemistry I	CH 4513 and CH 4511 Organic Chemistry/Lav
CHE 2434 Organic Chemistry II	CH 4513 and CH 4521 Organic Chemistry/Lav

Pre Vet (PVSP) Concentration Courses:

MFL 1213 Spanish I	FLS 1113 Spanish I
PHY 2414 General Physics I	PH 1113 General Physics
AGR 2113 Poultry Production Internship OR	PO 3353 Poultry Production Internship OR
AGR 2123 Poultry Processing Internship OR	PO 3363 Poultry Processing Internship OR
ACC 1213 Principles of Accounting I OR	ACC 2013 Principles of Financial Accounting OR
PHY 2424 General Physics II	PH 1123 General Physics

61 or 62 Hours to transfer to Mississippi State University

Junior and Senior Year Requirements (Mississippi State University)

Major Core for all 4 concentrations (44 Hrs):

MGT 3513 Intro to Human Resource Mgt.	PO 4324 Avian Reproduction
PO 3011 Seminar	PO 4333 Broiler Production
PO 3021 Seminar	PO 4413 Poultry Nutrition
PO 3103 Genetics	PO 4423 Feed Manufacturing
PO 3313 Commercial Poultry Production	PO 4514 Poultry Processing
PO 4031 Seminar	PO 4844 Avian Physiology
PO 4041 Seminar	VS 2033 Diseases of Poultry
PO 4313 Management of Commercial Layers	FNH 4414 Microbiology of Foods

Concentration courses to be completed by concentration:

Production Systems (POPS): 17 Hr

ABE 1863 Engineering Technology in Agriculture	AEC 3133 Intro to Agribusiness Management
ABE 4383 Building Construction	EG 1143 Graphic Communication
ABE 4473 Electrical Application	2 Hours Free Elective

Total hours at MSU 61

61 Transferred from Community College

61 Completed at MSU

122 POPS Concentration Total Hours

Business Management (POBM):

AEC 4123 Financial & Commodities Futures
Markets

AEC 3133 Intro to Agribusiness Management

AEC 3233 Intro to Environment Econ and Policy

**(depending upon which was completed at
Community College)**ACC 2023 Principles of
Managerial Accounting **OR** EC 2113 Principles of
Macroeconomics

5 Hours Free Elective

Total Hours at MSU 61

61 Transferred from Community College

61 Completed at MSU

122 POBM Concentration Total Hours

Processed Products (POPP):

BCH 4013 Principles of Biochemistry

FNH 4164 Quality Assurance of Food Products

FNH 4241 Applied Food Chemistry

FNH 4243 Composition and Chemical Reactions
of Foods

FNH 4513 Food Preservation Technology

4 Hours of Free Electives

Total Hours at MSU 62

60 Transferred from Community College

62 Completed at MSU

122 POPP Concentration Total Hours

Pre Vet (PVSP):

AEC 3133 Introductory Agribusiness
Management

3 or 4 Hours of Elective (**Depending on
Community College course hours completed**)

BCH 4013 Principles of Biochemistry

Choose 3 of the following courses that were not completed at community college level:

PO 3353 Poultry Production Internship

ACC 2013 Principles of Financial Accounting

PO 3363 Poultry Processing Internship

PH 1123 General Physics

Total Hours at MSU 62 or 63

61 or 62 Transferred from Community College

63 or 62 Completed at MSU

124 PVSP Concentration Total Hours

****Students must take at least half of their degree program at Mississippi State University***

Use the following to certify that a student is agreeing to participate in the 2 + 2 Program

Name of Community College: _____

Student Signature

Date

Community College Advisor Signature

Date