

MATHEMATICS  
BA

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Speech	SPT 1113	*3
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
History	HIS 1113, 1123; or 1163, 1173	6
Foreign Language	(One language)	6
Fine Arts	ART 1113; MUS 1113, SPT 2233, DAN 1113	3
Literature	ENG 2223, 2233, 2323, 2333, 2423, 2433	6
Social Science	PSC 1113, ECO 2113, or ECO 2123	3
Behavioral Sciences	PSY 1513 or SOC 2113	3
<u>Laboratory Science</u>		
Laboratory Science	PHY 2514, PHY 2524, CHE 1214, CHE 1224, BIO 1134, BIO 1114	8
<u>Major - Mathematics</u>		
Calculus	MAT 1613, 1623, 2613, 2623	12
Computer Science	CSC 2134	<u>4</u>
TOTAL		60

\*UM does not require Speech (SPT 1113), but can be accepted as an elective.

Degree offered by: MSU, MUW, UM  
CIP: 27.0101

MATHEMATICS  
BS

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Speech	SPT 1113	*3
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
History	HIS 1163, 1173; or HIS 1113, 1123; or HIS 2213, 2223	**6
Fine Arts	ART 1113, MUS 1113, SPT 2233, DAN 1113	***3
Literature	ENG 2223, 2233, 2323, 2333, 2423, 2433	****6
Social Science/Behavioral Science	PSC 1113, PSY 1513, or SOC 2113	3
<u>Laboratory Science</u>		
Laboratory Science	PHY 2514	4
Laboratory Science	PHY 2524, CHE 1214, CHE 1224, BIO 1134, BIO 1144	8
<u>Major</u>		
Calculus	MAT 1613, 1623, 2613, 2623	12
Computer Science	CSC 2134	4
<u>Other</u>		
Electives		<u>6</u>
	TOTAL	61

\*UM does not require Speech (SPT 1113), but will accept as an elective.

\*\*MSU only requires three (3) hours of history and JSU prefers HIS 1163, 1173

\*\*\*UM and DSU accepts ART 2713 or 2723

\*\*\*\*MSU and USM only require three (3) hours of literature.

Degree offered by: ASU, DSU, JSU, MSU, MUW, MVSU, UM, USM  
CIP: 27.0101

## Mathematics Education

The following universities offer Mathematics Education.

Alcorn State University

Delta State University

Jackson State University

Mississippi State University

Mississippi University for Women

Mississippi Valley State University

University of Mississippi

University of Southern Mississippi

Degree offered by: ASU, DSU, JSU, MSU, MUW, MVSU, UM, USM

CIP: 13.1205, 13.1303, 13.1305, 13.1311, 13.1316, 13.1317, 13.1318, 13.1319

MATHEMATICS EDUCATION  
(LICENSURE)  
BS  
ALCORN STATE UNIVERSITY

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Literature	ENG 2223/ 2233/2333 ENG 2423/ 2433/2513/2523/2533	3
Fine Arts	ART 1113, MUS 1113, DAN 1113, SPT 2233	3
History	HIS 1113/1123/2213/2223	6
<u>Laboratory Sciences</u>		
Biology	BIO 1134 or above / CHE 1114 or above	4
Physical Science	PHY 1214 or above	4
<u>Mathematics</u>		
Calculus I, II, and III	MAT 1613, 1623, 2613	9
<u>Computer Science</u>		
Computer Science	CSC 1313 or higher	3
<u>Other</u>		
Behavioral Sciences	PSY 1513 or 1523	3
Speech	SPT 1113/1123/1131/1141	3
Military Science/Physical Ed	AMR 1114/1124/2114/2124 Or HPR 1111-1181	2
Health HPR 1103		3
College Life	LLS 1211/1223/1311/1321	3
Education	EDU 2513 / 2613	3
Psychology EPY 2523		3
Math	MAT 1733 / 1753 / 2113	<u>3</u>
TOTAL		61

It is strongly recommended that students complete the Praxis I examination prior to transferring (if required).

MATHEMATICS EDUCATION  
(LICENSURE)  
BSE

DELTA STATE UNIVERSITY

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Speech	SPT 1113	3
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Literature	ENG 2223, 2233, 2323, 2333, 2423, 2433	6
History	HIS 1113, 1123, 1163, 1173, 2213, 2223	6
Psychology	PSY 1513	3
Fine Arts	ART 1113, 2713, 2723 MUS 1113, SPT 1213, 2223 DAN 1113	3
<u>Social Science</u>	ECO 2114, 2123, GEO 1123,1113, PSC 1123,1113 PHI 2112, SOC 1113	6
<u>Laboratory Sciences</u>		
Laboratory Sciences		8
<u>Mathematics</u>		
Calculus I, II, III, IV	MAT 1613, 1623, 2613, 2623	12
<u>Computer Science</u>		
Computer	CSC 1113 or 1123	3
<u>Education</u>		
Intro. Secondary Ed.	EDU 2613	3
<u>Electives</u>		
		<u>3</u>
	TOTAL	62

It is strongly recommended that students complete the Praxis I examination prior to transferring (if required).

MATHEMATICS EDUCATION  
(LICENSURE)  
BA, BS, BSE, BA Ed

JACKSON STATE UNIVERSITY

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Speech	SPT 1113	3
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Literature		3
Fine Arts	Music or Art Appreciation	3
History		6
<u>Laboratory Sciences</u>		
Biology		4
Physical Science		4
<u>Mathematics</u>		
Calculus I, II, III	MAT 1613, 1623, 2613	9
<u>Computer Science</u>		
Computer Science	CSC 1313 or higher	3
<u>Other</u>		
Philosophy	PHI 2113 or 2713	3
General Physics and Lab	PHY 2414	4
Literature		3
Calculus IV	MAT 2623	3
Mathematics	MAT 2913, 2113	6
Elective		<u>1</u>
	TOTAL	61

It is strongly recommended that students complete the Praxis I examination prior to transferring (if required).

MATHEMATICS EDUCATION  
(LICENSURE)  
BS

MISSISSIPPI STATE UNIVERSITY

Communication		
English Composition	ENG 1113, 1123	6
Humanities/Social Sciences/Behavioral Sciences/Fine Arts		
Literature		3
Fine Arts	Appreciation or History	3
History		6
Social Science	PSY 1513, SOC 2113	6
Laboratory Sciences		
Biology with lab		4
Physical Science		4
Mathematics		
Calculus I, II, and III	MAT 1613, 1623, 2613	9
Computer Science		
Computer Science	CSC 1313 or higher	3
Other		
Academic Area	(See suggested courses below )	<u>18</u>
TOTAL		62

It is strongly recommended that students complete the Praxis I examination prior to transferring (if required).

Suggested Courses:

ENG (any other literature)	3
SPT 1113 – Oral Communications (Principles of Speech)	3
MAT 2623 – Calculus IV	3
EDU 1613 – Foundation in Education	3
PHY 2513 or CHE 1213 - General Physics II or General Chemistry I	3

MATHEMATICS EDUCATION  
(LICENSURE)  
BS

MISSISSIPPI UNIVERSITY FOR WOMEN

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Oral Communication	SPT 1113	3
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Literature	ENG 2223, 2233; or ENG 2323, 2333; or ENG 2423, 2433	3
Fine Arts	MUS 1113, ART 1113, or SPT 2233, DAN 1113	3
Literature/Fine Arts/Literature Survey	MUS 1113, ART 1113, or SPT 2233	3
History	HIS 1113, 1123; or HIS 1163, 1173; or HIS 2213, 2223	6
Human Growth/Development	EPY 2533	3
Philosophy	PHI 2113	3
Social Institutions	ECO 2113, ECO 2123, GEO 1113, or PSC 1113	3
<u>Laboratory Sciences</u>		
Biology/Physical Science w/lab		4
Physics	PHY 2414 or PHY 2514	4
Biology/Physical Science		6
<u>Mathematics</u>		
Calculus I, II, III, and IV	MAT 1613, 1623, 2613, 2623	12
<u>Computer Science</u>		
Computer Science	CSC 1313 or CSC 2143	<u>3</u>
TOTAL		62

It is strongly recommended that students complete the Praxis I examination prior to transferring (if required).

MATHEMATICS EDUCATION  
(LICENSURE)  
BS

MISSISSIPPI VALLEY STATE UNIVERSITY

<u>Communication</u>		
English Composition	ENG 1113, ENG 1123	6
Speech	SPT 1113	3
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
History	HIS 1163, HIS 1173, or HIS 1113, HIS 1123	6
Fine Arts	ART 1113, MUS 1113, or SPT 2233, DAN 1113 Theatre Appreciation Accepted	6
Literature	ENG 2423, ENG 2433	6
Social Science/Behavioral Science	PSC 1113, PSY 1513, or SOC 2113	3
<u>Laboratory Science</u>		
Laboratory Science	PHY 2514, PHY 2524, CHE 1214, 1224 or BIO 1134, BIO 1144	6
<u>Physical Education and Health (Act.)</u>		
HPR 1213, PER 1213		5
(Any two one hour activity courses)		
<u>Major</u>		
Calculus	MAT 1613, MAT 1623, MAT 2613, MAT 2623	12
Computer Science	CSC 2134	4
<u>Other</u>		
Education	Introduction to Teaching with Field Experience	<u>3</u>
TOTAL		60

It is strongly recommended that students complete the Praxis I examination prior to transferring.

Note: Mathematics elective must be at the 300 level or above.

MATHEMATICS EDUCATION  
(LICENSURE)  
BAEd

UNIVERSITY OF MISSISSIPPI

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
<u>Humanities/Social Sciences/Behavioral Sciences/ Fine Arts</u>		
Literature		6
History		6
General Psychology	PSY 1513	3
Fine Arts	(Appreciation or History)	3
Fine Arts		3
<u>Laboratory Sciences</u>		
Biology		4
Physical Science	Physics, Astronomy, or PHY 2243	3-4
Physical Science	Geology, Chemistry, or PHY 2253	3-4
<u>Mathematics</u>		
Calculus I-IV	MAT 1613,1623,2613,2623	12
<u>Other</u>		
Computer Science	CSC 1613	3
Electives from Mathematics, Sciences, Humanities		<u>6</u>
	TOTAL	58-60

It is strongly recommended that students complete the Praxis I examination prior to transferring (if required).

A maximum of 61 hours may be transferred from a community college that can be counted towards the degree.

MATHEMATICS EDUCATION  
(LICENSURE)  
BS

UNIVERSITY OF SOUTHERN MISSISSIPPI

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Speech	SPT 1113	3
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Literature	ENG 2423	3
Fine Arts	ART 1113, MUS 1113 or SPT 2223, DAN 1113	3
History	HIS 1163, 1173 or HIS 2213, 2223	6
General Psychology	PSY 1513	3
Social Science	GEO 1113, SOC 2113 or SOC 2231	3
<u>Laboratory Sciences</u>		
Biology or any science with a lab		4
Calculus-based Physics	PHY 2514	4
<u>Mathematics</u>		
Calculus I, II, III IV	MAT 1613, 1623, 2613, 2623	12
Differential Equations	MAT 2913	3
<u>Computer Science</u>		
Computer Science	CSC 1613 or higher	3
<u>Other</u>		
Elective		<u>5</u>
TOTAL		61

It is strongly recommended that students complete the Praxis I examination prior to transferring (if required).

At Southern Miss, the Gold Card is needed in order to enroll in Teacher Education courses. Before applying for the Gold Card, a student must have a “C” average in Freshman Composition, an overall GPA of 2.65, and the successful completion of the Basic Technology Literacy Exam (BTLE).

MECHANICAL ENGINEERING  
BS, BSME

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Humanities	HIS 1113, 1123, 1163, 1173, 2213, 2223 PHIL 2113, 2143, 2713, ENG 2323, 2333, 2223, 2233 MFL 2113, 2123, 2213, 2223, 2313, 2323	6
Social Sciences	PSY 1513 SOC 2113, 2133, 2143, 2213, 2243 PSC 1113, 1123, 2113 ECO 2123, 2113	6
Fine Arts	ART 1113, 2713, 2723 or MUS 1113 DAN 1113, SPT 2233	3
<u>Laboratory Sciences</u>		
General Chemistry	CHE 1214, 1224	8
Calculus-Based Physics	PHY 2514 and 2524; OR PHY 2313 and 2323 and 2333	8
<u>Mathematics</u>		
Calculus	MAT 1613, 1623, 2613, 2623	12
Differential Equations	MAT 2913	3
Linear Algebra	MAT 2113	*3
<u>Major</u>		
Engineering Mechanics I	EGR 2413	3
Mechanics of Materials	EGR 2433	3
Graphic Communications	GRA 1143	**3
Computer Programming I	CSC 1613	<u>***3</u>
	TOTAL	64

\*Only MSU accepts MAT 2113

\*\*Only UM accepts GRA 1143

\*\*\*Structured Programming course required. Language is not specified. Object-Oriented programming course is NOT accepted.

Degree offered by: UM, MSU  
CIP: 14.1901

MEDICAL TECHNOLOGY  
BS

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Speech	SPT 1113	*3
 <u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Literature	ENG 2423, 2433	3
Fine Arts	ART 1113, MUS 1113, SPT 2233, DAN 1113	3
History	HIS 1113, 1123 or HIS 1163, 1173	**6
Social Science	SOC 2113 or SOC 2213	3
Behavioral Science	PSY 1513, PSC 1113, PHI 2143	3
 <u>Laboratory Sciences</u>		
Biology BIO 1134		4
Chemistry CHE 1214, 1224 8		
Organic Chemistry	CHE 2424, 2434	***8
 <u>Mathematics</u>		
College Algebra	MAT 1313 or higher (except MAT 1723, 1733 or 1743)	3
 <u>Other</u>		
Computer Science	CSC 1113	**** <u>3</u>
TOTAL		*****53

\*USM does not require SPT 1113 for this degree.

\*\*MSU requires only three hours of History.

\*\*\* USM requires only one semester of Organic Chemistry.

\*\*\*\* MSU and USM do not require CSC 1113.

\*\*\*\*\*Student needs to contact university to determine additional hours up to 62.

Degree offered by: MSU, USM, UM  
CIP: 51.1005

METEOROLOGY  
BS

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Speech	SPT 1113	3
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Literature (continuous year sequence)		6
History	HIS 1113, 1123; or 1163, 1173	6
Fine Arts		3
General Psychology	PSY 1513	3
Physical Education / Health		3
<u>Laboratory Sciences</u>		
General Chemistry	CHE 1214, 1224	8
Biology BIO 1134		4
Geology GLY 1114		4
<u>Mathematics</u>		
College Algebra	MAT 1313	3
Trigonometry MAT 1323		3
Calculus	MAT 1613, 1623	6
<u>Major - Meteorology</u>		
Computer Science	CSC 1613	<u>3</u>
	TOTAL	61

Degree offered by: JSU  
CIP: 40.0401

MICROBIOLOGY  
BS

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Speech	SPT 1113	3
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Literature Survey		3
History	HIS 1113, 1123; 1163, 1173; or 2213, 2223	3
Fine Arts History or Appreciation	ART 1113, MUS 1113 SPT 2233, DAN 1113	3
General Psychology	PSY 1513	3
<u>Laboratory Sciences</u>		
General Chemistry	CHE 1214, 1224	8
Physics or Organic Chemistry	PHY 2414, 2424, or CHE 2424, 2435	8
<u>Mathematics</u>		
Calculus I	MAT 1613	3
Statistics	MAT 2323	3
<u>Major - Microbiology</u>		
General Biology	BIO 1134, 1144	8
Microbiology	BIO 2924	4
<u>Other</u>		
Elective		<u>3</u>
	TOTAL	58

Degree offered by: MSU  
CIP: 26.0503

MUSIC/MUSIC EDUCATION/PERFORMANCE  
BA, BM, BMed

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Speech	SPT 1113	*3
 <u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Literature	ENG 2423 or 2433	**3
History	HIS 1113, 1123; or 1163, 1173	6
General Psychology I	PSY 1513	3
 <u>Laboratory Sciences</u>		
Laboratory Sciences		8
 <u>Mathematics</u>		
	MAT 1313 (or higher) except for MAT 1723, 1733, and 1743.	3
 <u>Major</u>		
Music Theory	MUS 1211, 1214, 1221, 1224	10
Music Survey	MUS 1123	3
Piano	MUA 1511, 1521, 2511, 2521	4
Applied Major		8
Ensemble		<u>4</u>
	TOTAL	61

\* UM does not require Speech (SPT 1113), but will accept as an elective.

\*\* UM requires 6 hours of literature from ENG 2223, 2233, 2323, 2333, 2423, and 2433.

Degree offered by: ASU, DSU, JSU, MSU, MUW, MVSU, UM, USM  
CIP: 13.1312, 50.0901, 50.0903

MUSIC THERAPY  
BM

<u>Communication</u>		
English Composition	ENG 1113, 1123	6
Speech SPT 1113		3
<u>Humanities/Social Sciences/Behavioral Sciences/Fine Arts</u>		
Literature Survey	ENG 2423 or ENG 2433	3
Human Behavior	PSY/EPY 1513 and EPY 2533	3
History	HIS 1113, 1123; 1163, 1173; or 2213, 2223	6
<u>Laboratory Sciences</u>		
General Biology I and II	BIO 1134, 1144	8
<u>Mathematics</u>		
College Algebra	MAT 1313 or higher	3
<u>Other</u>		
Physical Education		2
<u>Major</u>		
Music Theory I and II with labs	MUS 1121/1213 and MUS 1221/1223	8
Music Theory III and IV with labs	MUS 2211/2213 and MUS 2221/2223	8
Major Voice, Organ, Piano, or Instrument I and II	MUA Major I and II	6
Major Voice, Organ, Piano, or Instrument III and IV	MUA Major III and IV	<u>6</u>
	TOTAL	62

Degree offered by: MUW  
CIP: 51.2305