

ACADEMIC EDUCATION

The Mississippi Board of Trustees of State Institutions of Higher Learning and the Mississippi State Board for Community and Junior Colleges reached in 1991 an articulation agreement on the transfer of student course work between state universities and community colleges. This agreement provides for the smooth transfer of 166 programs of study offered by the universities. Each university will accept the courses listed on a particular transfer program without loss of credit toward the conclusion of the four-year degree. It is intended that this articulation agreement be a minimum program transfer for all students moving from the community college to the university system — acting as a “safety net” for transfer students. The agreement does not replace any individual articulation agreement between a particular community college and a university which would allow additional courses to transfer into a specific program of study. For purposes of advising Northwest students, a copy of the **Articulation Agreement** has been placed in the office of every faculty adviser.

DIVISION OF BUSINESS

Accountancy

Advisers: Arrington, Norton, Johnson

The accountancy curriculum is designed to provide the necessary background for admission to a school of accountancy at a senior institution. The student who satisfactorily completes this curriculum is eligible for the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|--------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| History | 3 | History | 3 |
| MAT 1313, College Algebra or | | MAT 1513, Business Calculus I..... | 3 |
| Higher Math..... | 3 | SPT 1113, Public Speaking I | 3 |
| PSY 1513, General Psychology I..... | 3 | BAD 2413, Legal Environ. of Bus..... | 3 |
| *CSC 1113, Computer Concepts or CSC 1123 Computer Apps. I..... | 3 | | |
| Total | 15 | Total | 15 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|---|----------------|
| *Literature | 3 | *Literature | 3 |
| ACC 1213, Prin. of Accounting I..... | 3 | ACC 1223, Prin. of Accounting II..... | 3 |
| ECO 2113, Prin. of Economics I..... | 3 | ECO 2123, Prin. of Economics II | 3 |
| *BOA 2613, Business Communications3 | | BAD 2323, Business Statistics | 3 |
| Laboratory Science..... | 4 | Laboratory Science..... | 4 |
| | | Fine Arts Elective (Art or Music) | 3 |
| Total | 16 | Total | 19 |

* Students must consult with adviser and follow the catalog of the institution to which they are transferring before choosing a specific course.

Business Administration

Advisers: Bolen, Bourne, Khouri, Norton, Pagels, Payne, Posey, Reed

Students who are interested in majoring at the senior college level in a specific area of business, such as banking and finance, business management, financial planning, health care administration, health care information systems, human resource management, insurance and risk management, international business, marketing, marketing communications, production management, pharmaceutical sales and real estate should follow this curriculum. The student who satisfactorily completes this curriculum is eligible for the Associate of Arts degree. This program is transferable to most senior institutions and will lead to the Bachelor of Business Administration degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| ACC 1213, Prin. of Accounting I..... | 3 | ACC 1223, Prin. of Accounting II..... | 3 |
| *History or Foreign Language | 3 | *History or Foreign Language | 3 |
| CSC 1123, Computer Apps. I..... | 3 | Fine Arts Elective..... | 3 |
| MAT 1313, College Algebra or Higher Math..... | 3 | MAT 1513, Bus. Calculus I..... | 3 |
| Total | 15 | Total | 15 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---------------------------------------|----------------|
| Literature | 3 | *BOA 2613, Business Communications | 3 |
| ECO 2113, Prin. of Economics I..... | 3 | ECO 2123, Prin. of Economics II | 3 |
| PSY 1513, General Psychology I..... | 3 | SPT 1113, Public Speaking I | 3 |
| BAD 2413, Legal Environ. of Business.. | 3 | Laboratory Science..... | 4 |
| BAD 2323, Business Statistics | 3 | *Approved Elective..... | 3 |
| Laboratory Science..... | 4 | | |
| Total | 19 | Total | 16 |

Suggested Electives:

- MAT 1523, Business Calculus II
- CSC 1113, Computer Concepts
- CSC 1133, Computer Applications II
- CSC 1213, Visual BASIC Programming
- Foreign Language

* Students must consult with adviser and follow the catalog of the institution to which they are transferring before choosing a specific course.

Business and Computer Teacher Education

Adviser: Payne

This curriculum is designed to prepare a student to teach secondary business subjects after receiving a degree from a senior institution. The student who has satisfactorily completed this curriculum is eligible for the Associate of Arts degree. Due to varied requirements of Schools of Education at the senior institutions, this program of study may be adjusted to comply with the requirements of the school to which the student is transferring.

FRESHMAN YEAR

| First Semester | Semester Hours |
|-----------------------------------|----------------|
| ENG 1113, Eng. Composition I..... | 3 |
| SPT 1113, Public Speaking I | 3 |
| History Elective | 3 |
| MAT 1313, College Algebra | 3 |
| or Higher Math..... | 3 |
| BOA 2533, Word Processing I..... | 3 |
| P.E. Activity..... | 1 |
| Total | <u>16</u> |

| Second Semester | Semester Hours |
|---|----------------|
| ENG 1123, Eng. Composition II | 3 |
| Approved Business Elective | 3 |
| PSY 1513, General Psychology I..... | 3 |
| BOA 2543, Word Processing II..... | 3 |
| CSC 1113, Computer Concepts or CSC 1123, Computer Apps. I..... | 3 |
| Total | <u>15</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours |
|---|----------------|
| Literature | 3 |
| ACC 1213, Prin. of Accounting I | 3 |
| ECO 2113, Prin. of Economics I..... | 3 |
| BIO 1113, Principles of Biology I | 3 |
| BIO 1111, Prin. of Biology I Lab | 1 |
| Fine Arts Elective..... | 3 |
| Total | <u>16</u> |

| Second Semester | Semester Hours |
|---------------------------------------|----------------|
| Literature | 3 |
| ACC 1223, Prin. of Accounting II..... | 3 |
| ECO 2123, Prin. of Economics II | 3 |
| PHY 2243, Physical Science I..... | 3 |
| PHY 2241, Physical Science I Lab..... | 1 |
| BOA 2613, Business Communications.. | 3 |
| BAD 2413, Legal Environ. of Bus..... | 3 |
| Total | <u>19</u> |

Approved Business Electives:

CSC 1213, Visual BASIC Programming
 BAD 2323, Business Statistics
 BAD 1313, Business Math

CSC 1613, Computer Programming I
 MAT 1513, Business Calculus I
 CSC 1133, Computer Applications II

Computer Information Systems

Advisers: Hall, Posey, Xiong, Khouri, Overton

Computer Information Systems is the major field providing a variety of courses for students interested in the use of computers in a business environment. Students receive classroom instruction in computer concepts and techniques and engage in extensive laboratory work to supplement this instruction. Satisfactory completion of this curriculum entitles the student to an Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|---|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| History | 3 | Fine Arts Elective..... | 3 |
| ACC 1213, Prin. of Accounting I | 3 | ACC 1223, Prin. of Accounting II..... | 3 |
| MAT 1313, College Algebra or Higher Math | 3 | CSC 1213, Visual BASIC Programming I | 3 |
| CSC 1123, Computer Apps. I..... | 3 | BAD 2413, Legal Environment of Business..... | 3 |
| | | CSC 1133, Computer Apps. II | 3 |
| Total | 15 | Total | 18 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|---------------------------------------|----------------|
| BOA 2613, Business Communications.. | 3 | MAT 1513, Calculus for Business | 3 |
| ECO 2113, Prin. of Economics I..... | 3 | CSC Programming Language II | 3 |
| CSC Programming Language I..... | 3 | SPT 1113, Public Speaking I | 3 |
| Literature | 3 | ECO 2123, Prin. of Economics II | 3 |
| Laboratory Science | 4 | Laboratory Science | 4 |
| Total | 16 | Total | 16 |

Note: To determine specific course requirements consult the catalog of the university or college to which you plan to transfer. Approved courses may be substituted in the Computer Information Systems program in accordance with the specific requirements of the senior college.

Office Administration

Advisers: Payne, Rutledge, Delaney

This curriculum is designed for those students who wish to continue study in office administration at a four-year institution or to enter the job market immediately. Graduates are eligible for the Associate of Arts degree. *

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|---|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| MAT 1313, College Algebra or Higher Math | 3 | Laboratory Science | 4 |
| ACC 1213, Prin. of Accounting I..... | 3 | ACC 1223, Prin. of Accounting II..... | 3 |
| History | 3 | PSY 1513, General Psychology I..... | 3 |
| Laboratory Science..... | 4 | CSC 1113, Computer Concepts or CSC 1123, Computer Apps. I..... | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|---------------------------------------|----------------|
| Literature I..... | 3 | Literature II..... | 3 |
| BOA 2533, Word Processing I..... | 3 | BOA 2543, Word Processing II..... | 3 |
| SPT 1113, Public Speaking I | 3 | ECO 2123, Prin. of Economics II | 3 |
| ECO 2113, Prin. of Economics I..... | 3 | BOA 2613, Business Communications.. | 3 |
| Approved Business Elective | 3 | BAD 2413, Legal Environ. of Bus..... | 3 |
| Fine Arts Elective..... | 3 | | |
| Total | <u>18</u> | Total | <u>15</u> |

Approved Business Electives:

CSC 1213, Visual BASIC Programming
 CSC 1613, Computer Programming I
 CSC 1123, Computer Applications I
 CSC 1133, Computer Applications II

BAD 1313, Business Math
 BAD 2323, Business Statistics
 MAT 1513, Business Calculus I

* Due to varying requirements of senior institutions, this program of study may be adjusted to comply with the requirements of the school to which the student is transferring.

DIVISION OF EDUCATION

Elementary Education

Advisers: Correro, Rose, Dossett, Wilbourn, Boyd, J. Jones, Hertl, Aaron

This course of study is designed for a student who plans to teach in elementary schools. Satisfactory completion of the curriculum entitles the student to the Associate of Arts degree.*

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|---|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| HIS 2213, Am. Hist. or HIS 1113, Western Civilization..... | 3 | HIS 2223, Am. Hist. or HIS 1123, Western Civilization..... | 3 |
| MAT 1313, College Algebra..... | 3 | Math or Science | 3 |
| SPT 1113, Public Speaking I | 3 | MUS 1113, Music Appreciation or | |
| CSC 1113, Computer Concepts | 3 | ART 1113, Art Appreciation or | |
| Concentration Elective | 3 | SPT 2233, Theatre Appreciation ... | 3 |
| | | Biological Science with Lab..... | 4 |
| Total | <u>18</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|--|----------------|
| ENG 2323, Brit. Lit. I or ENG 2223 ... | 3 | ENG 2333, Brit. Lit. II or Eng 2233 | 3 |
| Physical Science I with Lab | 4 | PSY 1513, Gen. Psychology I..... | 3 |
| Health or First Aid | 3 | Humanities (Hist., Lit., PHI or MFL) . | 3 |
| MAT 1723, Real Number System..... | 3 | Physical Science II with Lab | 4 |
| GEO 1113, Geography | 3 | MAT 1733, Geometry, Measurement and Probability | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

* PRAXIS I test should be completed prior to transfer to the senior institution (see adviser for details).

Due to the varied requirements of schools of Education at senior institutions, the program may be adjusted to comply with the requirements of the school to which the student is transferring.

| | |
|------------------------------|--|
| University of Mississippi | HPR 1213, Health MAT 1733, Geometry, Measurement & Probability Additional Math or Science |
| Mississippi State University | PSC 1113, American Government (not Geography) MAT 1733, Geometry, Measurement & Probability Additional Math or Science |
| Delta State University | HPR 2213, First Aid EPY 2533, Human Growth & Development SOC 2113, Sociology P.E. Activities (2) |

Secondary Education

Advisers: Banham, Haraway, Aaron, Burton, Terrell, Warren, Hertl

The two-year curriculum is designed for a student who plans to teach in high school. It includes some of the core curriculum for the teaching certificate. Satisfactory completion of this curriculum will qualify the graduate for the Associate of Arts degree.*

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|-----------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| SPT 1113, Public Speaking I..... | 3 | Social Science Elective..... | 3 |
| MAT 1313, College Algebra..... | 3 | Fine Arts Elective..... | 3 |
| BIO 1113, Principles of Biology I..... | 3 | PHY 2243, Physical Science I..... | 3 |
| BIO 1111, Prin. of Biology I Lab..... | 1 | PHY 2241, Phy. Sci. I Lab..... | 1 |
| CSC 1113, Computer Concepts..... | 3 | PSY 1513, Gen. Psychology I..... | 3 |
| Total | 16 | Total | 16 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|--|----------------|
| ENG 2323, or ENG 2223, Literature...3 | | ENG 2333, or ENG 2233, Literature...3 | |
| Fine Arts Elective..... | 3 | HIS 2213, Western Civilization or HIS 2223, American History..... | 3 |
| HIS 1113, Western Civilization or HIS 2213, American History..... | 3 | Science or Math..... | 6 |
| Academic Teaching Area..... | 6 | Humanities Elective..... | 3 |
| | | Academic Teaching Area..... | 3 |
| Total | 15 | Total | 18 |

* PRAXIS I test should be completed prior to transfer to the senior institution (see adviser for details).

Due to the varied requirements of schools of Education at senior institutions, the program may be adjusted to comply with the requirements of the school to which the student is transferring.

Health, Physical Education and Recreation

Advisers: Foster, Hertl, Weldy

This course is primarily for a physical education major who plans to continue a college education beyond the junior college level. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.*

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|----------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| BIO 1113, Principles of Biology I..... | 3 | BIO 1513, A & P I..... | 3 |
| BIO 1111, Prin. of Bio. I Lab..... | 1 | BIO 1511, A & P I Lab..... | 1 |
| HIS 2213, Am. Hist. | 3 | HIS 2223, Am. Hist. | 3 |
| HPR 1213, Health..... | 3 | SPT 1113, Public Speaking I..... | 3 |
| MUS 1113, Music Appreciation..... | 3 | MAT 1313, Col. Algebra..... | 3 |
| | | CSC 1113, Computer Concepts..... | 3 |
| Total | 16 | Total | 19 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|----------------------------------|----------------|
| ENG 2323, British Lit. I..... | 3 | ENG 2333, British Lit. II..... | 3 |
| PHY 2243, Phy. Science I..... | 3 | HPR 2213, First Aid..... | 3 |
| PHY 2241, Phy. Science I Lab..... | 1 | HPR 1512, Volleyball Tech..... | 2 |
| SOC 2113, Intro. to Sociology..... | 3 | Humanities..... | 3 |
| ART 1113, Art Appreciation..... | 3 | PSY 1513, Gen. Psychology I..... | 3 |
| HPR 1542, Tennis/Badminton Tech..... | 2 | HPR Elective..... | 1 |
| Total | <u>15</u> | Total | <u>15</u> |

* PRAXIS I test should be completed prior to transfer to the senior institution (see adviser for details).

Due to the varied requirements of schools of Education at senior institutions, the program may be adjusted to comply with the requirements of the school to which the student is transferring.

Exercise Science

Adviser: Weldy

The curriculum is primarily for an exercise science major who plans to continue a college education beyond the community college level. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|--|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| HIS 2213, American History I or HIS 1113, Western Civilization I..... | 3 | HIS 2223, American History II or HIS 1123, Western Civilization II..... | 3 |
| MAT 1313, College Algebra..... | 3 | MAT 1323, Trigonometry or MAT 1613, Calculus I..... | 3 |
| *CHE 1313 or 1213, Chemistry I..... | 3 | *BIO 1113 or 1133, Biology I..... | 3 |
| *CHE 1311 or 1211, Chem. I Lab..... | 1 | *BIO 1111 or 1131, Biology I Lab..... | 1 |
| HPR 1213, Health..... | 3 | HPR 2213, First Aid..... | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---|----------------|
| ENG 2223 or ENG 2323, Literature..... | 3 | Fine Arts, Lit. or Hum. Elective..... | 3 |
| SPT 1113, Public Speaking I..... | 3 | CSC 1113, Computer Concepts..... | 3 |
| PHY 2413, Physics I..... | 3 | BIO 1523, A & P II..... | 3 |
| PHY 2411, Physics I Lab..... | 1 | BIO 1521, A & P II Lab..... | 1 |
| BIO 1513, A & P I..... | 3 | Foreign Language, Philosophy or Religion Elective..... | 3 |
| BIO 1511, A & P I Lab..... | 1 | Social Science Elective..... | 3 |
| Appreciation or History of Art, Music or Theatre..... | 3 | | |
| Total | <u>17</u> | Total | <u>16</u> |

* BIO 1133/1131 and CHE 1213/1211 for Pre-Physical Therapy.

DIVISION OF FINE ARTS

Art

Advisers: Chavis, House, Rogers

The curriculum is designed for a student who plans to continue education at a four-year college or professional art school, leading to a Bachelor of Fine Arts degree. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|--------------------------------------|----------------|
| ART 2713, Art History | 3 | ART 2723, Art History | 3 |
| ENG 1113, Eng. Comp. I | 3 | ENG 1123, Eng. Comp. II | 3 |
| HIS 1113, Western Civ. I | 3 | HIS 1123, Western Civ. II | 3 |
| ART 1313, Beginning Drawing I | 3 | ART 1323, Beginning Drawing II | 3 |
| ART 1413, Design I | 3 | ART 1423, Design II | 3 |
| | | ART 1513, Computer Art | 3 |
| Total | 15 | Total | 18 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|---|----------------|
| ENG 2323, British Lit. I | 3 | ENG 2333, British Lit. II | 3 |
| BIO 1113, Prin. of Biology I | 3 | BIO 1123, Prin. of Biology II | 3 |
| BIO 1111, Prin. of Biology I Lab | 1 | BIO 1121, Prin. of Biology II Lab | 1 |
| ART 2513, Painting I | 3 | ART 2523, Painting II | 3 |
| MAT 1313, College Algebra | 3 | SPT 1113, Public Speaking I | 3 |
| ART 2613, Ceramics I or ART 2433, Advertising Design I | 3 | Social/Behavioral Science | 3 |
| Total | 16 | Total | 16 |

Music Education

Advisers: Bishop, VanDyke

The curriculum provides instruction designed to prepare a student for a career as a professional musician. The two-year curriculum offered in Music Education is fully transferable to any senior institution and leads to a Bachelor of Music Education degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---|----------------|
| ENG 1113, Eng. Comp. I | 3 | ENG 1123, Eng. Comp. II | 3 |
| HIS 1113, Western Civilization I | 3 | HIS 1123, Western Civilization II | 3 |
| MUS 1214, Music Theory I | 4 | MAT 1313, College Algebra | 3 |
| Major Applied Music | 2 | MUS 1224, Music Theory II | 4 |
| Minor Applied Music | 1 | Major Applied Music | 2 |
| Chorus and/or Band | 1 | Minor Applied Music | 1 |
| MUS 1911, Recital Class | 1 | Chorus and/or Band | 1 |
| | | MUS 1921, Recital Class | 1 |
| Total | 15 | Total | 18 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|---|----------------|
| ENG 2323, Literature I | 3 | SPT 1113, Public Speaking I | 3 |
| BIO 1113, Principles of Biology I | 3 | BIO 1123, Prin. of Biology II | 3 |
| BIO 1111, Prin. of Biology I Lab | 1 | BIO 1121, Prin. of Biology II Lab | 1 |
| MUS 2214, Music Theory III | 4 | MUS 2224, Music Theory IV | 4 |
| Major Applied Music | 2 | Major Applied Music | 2 |
| Minor Applied Music | 1 | Minor Applied Music | 1 |
| Chorus and/or Band | 1 | Chorus and/or Band | 1 |
| MUS 2911, Recital Class | 1 | MUS 2921, Recital Class | 1 |
| CSC 1113, Computer Concepts | 3 | | |
| Total | 19 | Total | 16 |

Acceptance into any major applied music course is subject to audition.

Due to the varied requirements of schools of Music at the senior institutions, the program listed may be adjusted to comply with the requirements of the school to which the student is transferring.

Speech and Theatre

Advisers: Logan, Weakley

The curriculum is designed for a student who anticipates continuing education beyond the community college level in the areas of speech and theatre. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|---|----------------|
| ENG 1113, Eng. Comp. I | 3 | ENG 1123, Eng. Comp. II | 3 |
| MAT 1313, Col. Algebra | 3 | BIO 1123, Prin. of Biology II | 3 |
| BIO 1113, Principles of Biology I | 3 | BIO 1121, Prin. of Biology II Lab | 1 |
| BIO 1111, Prin. of Biology I Lab | 1 | SPT 1233, Acting | 3 |
| SPT 1113, Public Speaking I | 3 | SPT 1213, Fund. of Theatre Prod. | 3 |
| SPT 1153, Voice, Dict. & Phonetics ... | 3 | Elective | 3 |
| SPT 1241, Drama Production I | 1 | SPT 1251, Drama Production II | 1 |
| Total | 17 | Total | 17 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|------------------------------------|----------------|
| ENG 2323, Literature I | 3 | ENG 2333, Literature II | 3 |
| SPT 2143, Oral Interpretation | 3 | PSY 1513, Gen. Psychology I | 3 |
| Any History | 3 | Any History | 3 |
| ART 1113, Art Appreciation | 3 | MUS 1113, Music Appreciation | 3 |
| CSC 1113, Computer Concepts | 3 | SPT 2223, Stagecraft | 3 |
| SPT 2241, Drama Production III | 1 | | |
| Total | 16 | Total | 15 |

The adviser of this program can alter course requirements to meet curricular requirements for related speech areas.

DIVISION OF LANGUAGES AND COMMUNICATIONS

Communications

Adviser: Ferreira, Weakley

The curriculum is designed to provide a program of study that encompasses the variety of fields in communications, including print journalism, public relations and broadcasting. The course of study leads to a Bachelor of Arts degree and is transferable to liberal arts divisions at senior institutions. In order to meet specific curriculum requirements for transfer, the student should consult the catalog of the university at which he or she plans to complete the bachelor's degree. Satisfactory completion of this course of study entitles the student to the Associate of Arts degree.

Since required courses for the Bachelor of Arts degree vary greatly at different universities, a student may desire to substitute some other courses for those listed below. Such substitution can be made with the approval of the academic adviser, division director and Academic Dean.

COMMUNICATIONS: BROADCASTING EMPHASIS

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| HIS 2213, American History I or HIS 1113, Western Civ. I..... | 3 | HIS 2223, American History II or HIS 1123, Western Civ. II | 3 |
| Natural Science with Lab..... | 4 | Natural Science with Lab..... | 4 |
| Foreign Language* | 3 | Foreign Language* | 3 |
| COM 2483, Intro. to Mass Comm..... | 3 | SPT 1113, Public Speaking I | 3 |
| Total | 16 | Total | 16 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|--|----------------|
| ENG 2223, American Lit. I or ENG 2323, British Lit. I** | 3 | ENG 2233, American Lit. II or ENG 2333, British Lit. II** | 3 |
| Social Science Elective*** | 3 | PSY 1513, Gen. Psychology I..... | 3 |
| MAT 1313, College Algebra or Higher Math..... | 3 | Social Science Elective*** | 3 |
| Approved Major Emph. Elect.*** | 3 | CSC 1113, Computer Concepts | 3 |
| Approved Elective..... | 3 | Fine Arts Elective..... | 3 |
| Total | 15 | Approved Elective..... | 3 |
| | | Total | 18 |

* Many four-year institutions require 12 hours of foreign language courses, and the student should consult the catalog of the university at which he plans to transfer. Also, students who have successfully completed two years of high school foreign language classes may request to begin their foreign language requirement at the Elementary II level after achieving a passing grade on a language proficiency test and receiving consent of the instructor.

** Literature courses must be a continuous year sequence.

*** Students have a choice of SOC 2113/2123 (Sociology) or ECO 2113 (Economics).

**** Students have a choice of SPT 1153 (Voice, Diction & Phonetics) or JOU 1313 (Principles of Journalism I).

COMMUNICATIONS: JOURNALISM & PUBLIC RELATIONS EMPHASIS

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| HIS 2213, American History I or HIS 1113, Western Civ. I..... | 3 | HIS 2223, American History II or HIS 1123, Western Civ. II | 3 |
| Natural Science with Lab..... | 4 | Natural Science with Lab..... | 4 |
| Foreign Language* | 3 | Foreign Language* | 3 |
| JOU 1313, Principles of Journalism I .. | 3 | JOU 1323, Principles of Journalism II .. | 3 |
| JOU 1111, College Publications I..... | 1 | JOU 1121, College Publications II | 1 |
| Total | <u>17</u> | Total | <u>17</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|--|----------------|
| ENG 2223, American Lit. I or ENG 2323, British Lit. I** | 3 | ENG 2233, American Lit. II or ENG 2333, British Lit. II** | 3 |
| Social Science Elective*** | 3 | SPT 1113, Public Speaking I | 3 |
| MAT 1313, College Algebra or MAT 2323, Statistics | 3 | Social Science Elective*** | 3 |
| COM 2483, Intro. to Mass Comm. or Approved Elective**** | 3 | JOU 2613, Fundamentals of Digital Photography | 3 |
| CSC 1113, Computer Concepts | 3 | Fine Arts Elective | 3 |
| JOU 2111, College Publications III..... | 1 | JOU 2121, College Publications IV..... | 1 |
| Total | <u>16</u> | Total | <u>16</u> |

* Many four-year institutions require 12 hours of foreign language courses, and the student should consult the catalog of the university at which he plans to transfer. Also, students who have successfully completed two years of high school foreign language classes may request to begin their foreign language requirement at the Elementary II level after achieving a passing grade on a language proficiency test and receiving consent of the instructor.

** Literature courses must be a continuous year sequence.

*** Students have a choice of PSY 1513 (Psychology), SOC 2113/2123 (Sociology) or ECO 2113 (Economics).

**** Public Relations majors are required to take COM 2483 (Introduction to Mass Communication) to graduate. Journalism majors may take the course or substitute an approved Fine Arts elective or Foreign Language course.

Liberal Arts

The Liberal Arts curriculum is designed to provide a solid foundation for the student who wishes to pursue a Bachelor of Arts degree in fields such as English, Foreign Language, History or Sociology at a senior institution. This broad-based curriculum emphasizes the development of the student's verbal, written and analytical skills. In order to meet specific curriculum requirements for transfer, the student is strongly advised to consult the catalog of the university at which he plans to complete the Bachelor of Arts degree. Also, the student is required to plan his course of study with advisers representing the specific fields of interest listed below. Successful completion of this course of study will make a student eligible to receive the Associate of Arts degree.

Students wishing to pursue the Liberal Arts degree with an emphasis in the following disciplines should consult one of the following advisers:

English: Bunce, Bynum, Davis, Dawkins, Haraway,
Lipscomb, Pierce, Shaw
Foreign Language: Banham, Wills, Turner
History: Baker, Booker, Harris, Rogers
Sociology: Harris, Seay

Students who are undecided in their choice of a specific major but who wish to follow the Liberal Arts course of study should consult any of the advisers listed above.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-----------------------------|----------------|---------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| History | 3 | History | 3 |
| Laboratory Science | 4 | Laboratory Science | 4 |
| Foreign Language*..... | 3 | Foreign Language*..... | 3 |
| Fine Arts Elective..... | 3 | Social Science Elective** | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|---|----------------|
| ENG 2223, American Lit. I or ENG 2323, British Lit. I*** | 3 | ENG 2233, American Lit. II or ENG 2333, British Lit. II*** | 3 |
| Social Science Elective** | 3 | CSC 1113, Computer Concepts | 3 |
| MAT 1313, College Algebra or Higher Math | 3 | Science Elective**** | 3 |
| Foreign Language*..... | 3 | Foreign Language*..... | 3 |
| SPT 1113, Public Speaking I | 3 | Philosophy | 3 |
| Approved Elective | 3 | | |
| Total | <u>18</u> | Total | <u>15</u> |

* Students who have successfully completed two years of high school foreign language classes may request to begin their foreign language requirement at the Elementary II level after achieving a passing grade on a language proficiency test and receiving consent of the instructor. Since foreign language requirements vary at different universities, the student is advised to consult the catalog of the university at which he plans to complete the Bachelor of Arts degree.

** Students have a choice of SOC 2113/2123 (Sociology), PSY 1513 (General Psychology) or ECO 2113 (Economics).

*** Literature must be a continuous year sequence.

**** Many four-year institutions require three science courses, of which two courses in one subject must have labs. The third science course must be in another subject.

DIVISION OF SOCIAL SCIENCE

Criminal Justice

Advisers: Collinsworth, Cox

This course of study is designed for students desiring to enter police-related fields of work. This course of study aids in preparing for the many varied and highly important jobs in the area of criminal justice. It may be used as a terminal or as a transfer program in criminal justice. The student who satisfactorily completes this course is eligible for the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| Social Science Elective | 3 | Natural Science with Lab..... | 4 |
| CRJ 1313, Intro. to Criminal Justice ... | 3 | SPT 1113, Public Speaking I | 3 |
| MAT 1313, College Algebra..... | 3 | CRJ 1383, Criminology..... | 3 |
| CRJ 1363, Intro. to Corrections | 3 | Fine Arts Elective (ART 1113, MUS 1113 or SPT 1213)..... | 3 |
| Total | 15 | Total | 16 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|--|----------------|
| ENG 2323, Literature..... | 3 | ENG 2333, Literature..... | 3 |
| HIS 2213, Am. History I or HIS 1113, Western Civ. I..... | 3 | HIS 2223, Am. History II or HIS 1123, Western Civ. II | 3 |
| CRJ 2333, Criminal Investigation | 3 | CRJ 1323, Police Administration and Organization I..... | 3 |
| CRJ 2313, Police Operations | 3 | CRJ 2323, Criminal Law Evidence..... | 3 |
| Natural Science with Lab..... | 4 | CRJ 2513, Law Enforcement and the Juvenile..... | 3 |
| Total | 16 | CSC 1113, Computer Concepts | 3 |
| | | Total | 18 |

Suggested Elective:

CRJ 1353, Internship in Criminal Justice

Suggested Social Science Electives:

ECO 2113, Principles of Economics I

PSY 1523, General Psychology II

ECO 2123, Principles of Economics II

SOC 2113, Intro. to Sociology I

PSC 1113, American National Government

SOC 2123, Intro. to Sociology II

PSY 1513, General Psychology I

General College Curriculum

Advisers: Baker, B. Bunce, R. Bunce, Bynum, Chalmers, Harris, Jackson, Lipscomb, Logan, Lowery, Lusk, Pierce, Rogers, Seay, Shavers, Shaw, Smith,

Turner, Waldrop, Warren, Weakley, Wills

(Pre-Bachelor of Arts or Pre-Bachelor of Science)

This curriculum is designed to serve two primary purposes: (1) An entering student may elect to follow this program for one or two semesters before deciding on a specific

field of study. When a specific field of study is decided upon, the transition into the new program should be no problem. (2) Students who wish to change majors after one or two semesters in another of the programs at Northwest can use this General College Curriculum as an alternative in order to have at least an opportunity to meet degree requirements and graduate from Northwest. This program requires careful planning by the student through an academic adviser because of the flexibility of course work involved. This program provides an opportunity for a more cross-sectional approach to a two-year program than some of the other curricula at Northwest. This program is designed to supplement other programs at Northwest and does not conflict with other programs. This program is similar to the Liberal Arts curriculum, but specific differences exist and academic advisers can explain this further. Students who meet graduate requirements through this program will be awarded an Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|-----------------------|--|-----------------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| HIS 1113, West. Civ. or HIS 2213, Am. History | 3 | HIS 1123, West. Civ. or HIS 2223, Am. History | 3 |
| Natural Science (Laboratory) | 4 | Natural Science (Laboratory) | 4 |
| CSC 1113, Computer Concepts | 3 | MAT 1313, College Algebra..... | 3 |
| Fine Arts Elective..... | 3 | SPT 1113, Public Speaking I | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------|-----------------------|-------------------------|-----------------------|
| Literature** | 3 | Literature | 3 |
| Social Science..... | 3 | Social Science..... | 3 |
| P.E. Activity*..... | 1 | P.E. Activity*..... | 1 |
| Approved Electives..... | 9 | Approved Electives..... | 9 |
| Total | <u>16</u> | Total | <u>16</u> |

* In some cases physical education is not necessary.

Approved electives may be selected from a wide range of courses. Electives should be approved through the student's academic adviser and academic dean.

** Students have a choice of ENG 2323, ENG 2333 (British Lit.), or ENG 2223, ENG 2333 (American Lit.).

Pre-Law

Adviser: Booker

Most law schools do not require a specific course of study at the undergraduate level for admission to programs. Instead they recommend a broadly based curriculum which focuses on the development of verbal, written, and analytical skills. The statement of policy adopted by the Association of American Law Schools (AALS) stresses that preparation for the study of law involves education for "comprehension and expression in words; critical understanding of human institutions and values with which the law deals; and creative power in thinking. The development of these fundamental capacities is not the monopoly of any one subject matter area, department or division."

Students are encouraged to take courses in the Liberal Arts curriculum, choosing an emphasis in which they have a particular interest such as history, English, etc. Pre-law students are encouraged to work closely with the pre-law adviser and are encouraged to participate in the Society for Pre-Law Majors at Northwest.

Psychology

Advisers: Calloway, Harris, McDowell

The Psychology major at Northwest provides the student with a liberal arts background to prepare for subsequent undergraduate studies leading to a Bachelor of Arts degree. Psychology advisors work closely with nearby universities to ensure that this two-year curriculum coincides with their programs and will allow maximum transferable credit. The student who successfully completes this program is eligible for the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---------------------------------------|----------------|--|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| BIO 1113, Prin. of Biology I..... | 3 | BIO 1123, Prin. of Biology II..... | 3 |
| BIO 1111, Prin. of Biology I Lab..... | 1 | BIO 1121, Prin. of Biology II Lab..... | 1 |
| HIS 2213, American History I..... | 3 | HIS 2223, American History II..... | 3 |
| Foreign Language..... | 3 | Foreign Language..... | 3 |
| PSY 1513, Gen. Psychology I..... | 3 | MAT 1313, College Algebra..... | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---------------------------------------|----------------|---|----------------|
| ENG 2323, British Literature I..... | 3 | ENG 2333, British Literature II..... | 3 |
| Social Science Elective..... | 3 | Social Science Elective..... | 3 |
| PHI 2113, Intro. to Philosophy..... | 3 | Foreign Language..... | 3 |
| Foreign Language..... | 3 | SPT 1113, Public Speaking I..... | 3 |
| CSC 1113, Computer Concepts..... | 3 | Fine Arts Elective (non-performance)..... | 3 |
| PHY 2243, Physical Science I..... | 3 | | |
| PHY 2241, Physical Science I Lab..... | 1 | | |
| Total | <u>19</u> | Total | <u>15</u> |

Suggested Fine Arts Electives:

- ART 1113, Art Appreciation
- MUS 1113, Music Appreciation

Suggested Social Science Electives:

- PSY 1523, General Psychology II
- SOC 2113, Intro. to Sociology I
- SOC 2123, Intro. to Sociology II
- SOC 2143, Marriage and Family
- SOC 2163, Intro. to Social Work

Social Work

Adviser: Harris, McLaughlin

Students planning to major in Social Work have a desire to work with people. Upon completion of the Social Work degree individuals are prepared to choose from many areas of service: welfare, correctional and juvenile facilities, health care agencies, psychiatric units, mental health centers, school social work, and administration.

This curriculum is designed for students who plan to continue their education in Social Work at a four year institution. The course of study leads to a Bachelor of Social Work (B.S.W.) degree. In order to meet specific curriculum requirements for transfer, it is suggested that students consult the catalog of the college or university that they plan to attend to complete the bachelor's degree. The student who successfully completes this program is eligible for the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---------------------------------------|----------------|--|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| HIS 2213, Am. History..... | 3 | HIS 2223, Am. History II..... | 3 |
| BIO 1113, Prin. of Biology I..... | 3 | BIO 1123, Prin. of Biology II..... | 3 |
| BIO 1111, Prin. of Biology I Lab..... | 1 | BIO 1121, Prin. of Biology II Lab..... | 1 |
| PSY 1513, Gen. Psychology I..... | 3 | SPT 1113, Public Speaking I..... | 3 |
| PHI 2113, Intro. to Philosophy..... | 3 | Approved Elective..... | 3 |
| Total | 16 | Total | 16 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|--------------------------------------|----------------|
| ENG 2323 or ENG 2223..... | 3 | ENG 2333 or ENG 2233..... | 3 |
| PHY 2243, Phy. Science I..... | 3 | SOC 2163, Intro. to Social Work..... | 3 |
| PHY 2241, Phy. Science I Lab..... | 1 | SOC 2143, Marriage and Family..... | 3 |
| MAT 1313, College Algebra..... | 3 | ECO 2113 or ECO 2123, Prin. of | |
| SOC 2113, Intro. to Sociology I..... | 3 | Economics I or II..... | 3 |
| Fine Arts Elective..... | 3 | CSC 1113, Computer Concepts..... | 3 |
| Total | 16 | SOC 2123, Intro. to Soc. II..... | 3 |
| | | Total | 18 |

The choice of approved elective depends on the university to which the student will transfer. The following requirements for the B.S.W. degree are specific to the universities with which Northwest has an Articulation Agreement.

University of Mississippi:

No Physical Science requirement
 No foreign language requirement
 PHI 2113, Intro. to Philosophy
 PSC 1113, American Nat. Government
 ECO 2123, Prin. of Economics II

Mississippi State University:

PHY 2243, Physical Science I
 PHY 2241, Physical Science I Lab
 ECO 2113, Prin. of Economics I
 PHI 2113, Intro. to Philosophy
 12 hours of foreign language
 BIO 1513, Anatomy & Physiology I
 BIO 1511, Anatomy & Physiology I Lab
 BIO 1113, Principles of Biology I
 BIO 1111, Principles of Biology I Lab

Delta State University:

One physical education course
 BIO 1113, Principles of Biology I
 BIO 1111, Principles of Biology I Lab
 BIO 1123, Principles of Biology II
 BIO 1121, Principles of Biology II Lab
 PHI 2113, Intro. to Philosophy
 PSC 1113, American Nat. Government
 ECO 2113, Prin. of Economics I
 SOC 2113, Intro. to Sociology I

University of Southern Mississippi:

One literature course
 PHI 2113, Intro. to Philosophy
 ECO 2113, Prin. of Economics I or
 PSC 1113, American National
 Government
 BIO 1113, Principles of Biology I
 BIO 1111, Prin. of Biology I Lab
 BIO 1123, Principles of Biology II
 BIO 1121, Prin. of Biology II Lab
 BIO 1523, Anat. & Physiology II
 BIO 1521, Anat. & Phys. II Lab

Jackson State University:

PHY 2243, Physical Science I
 PHY 2241, Physical Science I Lab
 HPR 1213, Health
 ECO 2113, Prin. of Economics I
 SOC 2113, Intro. to Sociology I
 One literature course, preferably
 world literature
 PHI 2113, Intro. to Philosophy
 PSC 1113, Amer. Nat. Government
 BIO 1113, Principles of Biology I
 BIO 1111, Prin. of Biology I Lab
 Prefer six hours of Western
 Civilization (HIS 1113 & 1123)
 rather than American History

DIVISION OF NURSING

Associate Degree Program

Advisers: Barden, Bynum, Caldwell, Cates, Gentry, Mackie, Manning, Mayhew, Scott, Skipper, Springer, Stevens, Vincent, Williams, Wyatt

The Associate Degree Program in Nursing provides a foundation in general education and nursing. Upon completion of the curriculum an Associate of Arts degree is awarded. Graduates of the program are eligible to write the National Council for Licensure Examination for Registered Nurses (NCLEX-RN). Graduates are prepared to provide nursing services in beginning staff level positions and have potential for advancement on an individual basis.

The curriculum of the nursing program is four semesters in length, and classes are admitted each fall and spring semester. Clinical Laboratory experiences are available in Memphis and in Northwest Mississippi hospitals and agencies.

A minimum grade of "C" or better is required in every course needed for graduation. A "C" or better is required in each nursing course (except NRS 1212 and NRS 2212) and in BIO 1511, BIO 1513, BIO 1521, BIO 1523 (Anatomy and Physiology I and II) and in BIO 2920 and BIO 2924 (Microbiology) for progression in the program. The Division of Nursing reserves the right to recommend for progression and continuation only those students who, in the judgment of the faculty, satisfy the requirements and aptitude for nursing.

In compliance with the amended Section 43-11-13, Mississippi Code of 1972, effective January 1, 2004, all students enrolled in the Associate Degree Nursing Program are among those subject to criminal background checks before being allowed to provide patient care.

All prospective nursing students must note Section 73-15-29 of the Mississippi Nursing Practice Law which states:

Grounds for denying, revoking, or suspending license penalties for engaging in prohibited conduct.

1. The Board shall have power to revoke, suspend or refuse to renew any license issued by the Board, or to deny any application for a license, or to fine, place on probation and/or discipline a license, in any manner specified in this chapter upon proof that such person:
 - a. has committed fraud or deceit in securing or attempting to secure a license;
 - b. has been convicted of a felony or a crime by court of plea of nolo contendere to a felony or a crime involving moral turpitude (a certified copy of the judgment of the court of competent jurisdiction of such conviction or plea shall be prima facie evidence of such conviction).

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-----------------------------------|----------------|--------------------------------|----------------|
| NRS 1117, Nursing I..... | 7 | NRS 1129, Medical-Surgical | |
| NRS 1211, Pharmacology | 1 | Nursing | 9 |
| BIO 1513, A & P I..... | 3 | BIO 1523, A & P II..... | 3 |
| BIO 1511, A & P I Lab..... | 1 | BIO 1521, A & P II Lab | 1 |
| CSC 1113, Computer Concepts | 3 | MAT 1313, College Algebra..... | 3 |
| ENG 1113, Eng. Comp. I..... | 3 | EPY 2533, Human Growth and | |
| | | Dev..... | 3 |
| Total | 18 | Total | 19 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|-------------------------------------|----------------|
| NRS 2114, Obstetrical Nursing | 4 | NRS 2214, Psychiatric Nursing | 4 |
| NRS 2124, Pediatric Nursing | 4 | NRS 2224, Adv. Med. Surg. Nurs..... | 4 |
| PSY 1513, Gen. Psychology | 3 | NRS 2222, Nursing Seminar..... | 2 |
| BIO 2924, Microbiology..... | 4 | SPT 1113, Public Speaking I | 3 |
| BIO 2920, Microbiology Lab..... | 0 | Humanities Elective | 3 |
| Total | <u>15</u> | Total | <u>16</u> |

Note: A & P I is a prerequisite to Nursing II. A & P II is a prerequisite or co-requisite to Nursing II. Human Growth and Development must be taken prior to Pediatric Nursing. Microbiology must be successfully completed before Sophomore Second Semester.

DIVISION OF SCIENCE & MATHEMATICS

The Division of Science and Mathematics consists of the following programs of study. An Associate of Arts degree is awarded for the successful completion of each transferable curriculum.

| | |
|------------------------------|---------------------------|
| Animal Science | Pre-Nursing (BSN) |
| Biology | Pre-Occupational Therapy |
| Chemistry | Pre-Optometry |
| Computer Science | Pre-Pharmacy |
| Forestry | Pre-Physical Therapy |
| General Agriculture | Pre-Radiologic Technology |
| General Science | Pre-Veterinary Medicine |
| Health Professions | Mathematics |
| Pre-Clinical Lab Sciences | Outdoor Rec. & Management |
| Pre-Cytotechnology | Physics |
| Pre-Dental | Pre-Architecture |
| Pre-Dental Hygiene | Pre-Engineering |
| Pre-Health Information Mgmt. | Pre-Forensic Chemistry |
| Pre-Medical | |

Students interested in these fields of study are urged to contact the Director of Science for additional information and assistance in planning their course of study.

Agriculture

As we look at today's agriculture and review the changes which are taking place it becomes clear that agricultural curricula must be developed which creates new combinations of training in science, business and technical agriculture. To provide such training students may choose from the following curricula, majors or subject matter areas:

| | |
|--------------------------------------|--------------------------------------|
| Agriculture Economics | Animal Science |
| Agribusiness | Dairy Science |
| Agricultural and Extension Education | Entomology |
| Crops | Forestry |
| Soils | General Agriculture |
| Seed Science | Poultry Science |
| Seed Technology | Pre-Veterinary Science (see science) |
| Turfgrass Management | |

Within most of the curricula listed the student may choose from three electives: Production, Business, or Science. Since most of the courses in the elective areas will be taken at the se-

nior college of the student's choice, particular attention should be given to the catalog of the institution chosen for the junior and senior years. Detailed information can be obtained either from the catalog of the senior institution or through the student's adviser.

More detailed information on each area, including illustrative curricula, are given on the following pages. Substitutions can be made with the approval of the head of the department in which the student is majoring and the Academic Dean. Each curriculum is designed to give some flexibility so the needs of the individual student can be met. The completion of a particular curriculum qualifies the student for the Associate of Arts degree.

Animal Science

Adviser: Donahou

Animal Science is a broad and complex area of agriculture. The curriculum is designed to give the students instruction and practical experience in the science and business of animal agriculture.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|---------------------------------------|----------------|
| BIO 1313, Botany I | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| BIO 1311, Botany I Lab | 1 | ECO 2113, Prin. of Econ. | 3 |
| CHE 1313, Prin. of Chem. I | 3 | AGR 2314, Soils | 4 |
| CHE 1311, Prin. of Chem. I Lab | 1 | AGR 2310, Soils Lab | 0 |
| ENG 1313, Eng. Comp. I | 3 | CHE 1323, Prin. of Chemistry II | 3 |
| MAT 1313, College Algebra..... | 3 | CHE 1321, Prin. of Chem. II Lab..... | 1 |
| | | Elective | 3 |
| Total | <u>14</u> | Total | <u>17</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-----------------------------------|----------------|-----------------------------------|----------------|
| AGR 1313, Plant Science..... | 3 | AGR 2233, Meats Processing | 3 |
| BIO 2414, Zoology I..... | 4 | Humanities or Fine Arts..... | 3 |
| BIO 2410, Zoology I Lab..... | 0 | BIO 2924, Microbiology..... | 4 |
| SPT 1113, Public Speaking I | 3 | BIO 2920, Microbiology Lab..... | 0 |
| Social Science..... | 3 | CSC 1113, Computer Concepts | 3 |
| AGR 1214, Animal Science/Lab..... | 4 | AGR 1823, Animal Disease..... | 3 |
| Total | <u>17</u> | Total | <u>16</u> |

Biology

Advisers: Cox, Grisham, Rinaldy, Robison, Sylvester

This curriculum is designed for students who plan to continue their education at a senior college and will be candidates for a Bachelor of Arts or Bachelor of Science degree. Satisfactory completion makes the student eligible for the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|------------------------------------|----------------|------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| MAT 1313, College Algebra..... | 3 | MAT 1323, Trigonometry | 3 |
| CHE 1213, Chemistry I..... | 3 | CHE 1223, Chemistry II | 3 |
| CHE 1211, Chemistry I Lab | 1 | CHE 1221, Chemistry II Lab | 1 |
| BIO 1133, Gen. Biology I | 3 | BIO 1143, Gen. Biology II | 3 |
| BIO 1131, Gen. Biology I Lab | 1 | BIO 1141, Gen. Biology II Lab..... | 1 |
| CSC 1113, Computer Concepts | 3 | SPT 1113, Public Speaking I | 3 |
| Total | <u>17</u> | Total | <u>17</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|---------------------------------------|----------------|
| ENG 2323, British Literature I | 3 | ENG 2333, British Literature II | 3 |
| CHE 2424, Organic Chemistry I | 4 | CHE 2434, Organic Chemistry II | 4 |
| CHE 2420, Organic I Lab | 0 | CHE 2430, Organic Chem. II Lab | 0 |
| BIO 1313, Botany I | 3 | Fine Arts | 3 |
| BIO 1311, Botany I Lab | 1 | PHY 2423, General Physics II | 3 |
| Social Science | 3 | PHY 2421, Gen. Physics Lab II | 1 |
| PHY 2413, Gen. Physics I | 3 | | |
| PHY 2411, Physics Lab I | 1 | | |
| Total | 18 | Total | 14 |

Chemistry

Advisers: Aultman, Cox, Hamilton-Wims, Jones, H. Simmons, Thimmaiah

Students who plan to continue their study at a senior college and will be candidates for a Bachelor of Arts or Bachelor of Science degree can prepare themselves for a major or minor in chemistry with the following program. Variations are permitted, and students should consult the catalog of their future college to ensure that their requirements will be met. Satisfactory completion of this course of study entitles the student to an Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|------------------------------------|----------------|
| ENG 1113, Eng. Comp. I | 3 | ENG 1123, Eng. Comp. II | 3 |
| MAT 1613, Calculus* | 3 | MAT 1623, Calculus II | 3 |
| CHE 1213, Chemistry I | 3 | CHE 1223, Chemistry II | 3 |
| CHE 1211, Chemistry I Lab | 1 | CHE 1221, Chemistry II Lab | 1 |
| Social Science or Foreign Language | 3 | Elective or Foreign Language | 3 |
| Any Computer Course | 3 | SPT 1113, Public Speaking I | 3 |
| Total | 16 | Total | 16 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|---------------------------------------|----------------|
| ENG 2323, British Literature I | 3 | ENG 2333, British Literature II | 3 |
| CHE 2424, Organic Chemistry I | 4 | CHE 2434, Organic Chemistry II | 4 |
| CHE 2420, Organic Chem. I Lab | 0 | CHE 2430, Organic Chem. II Lab | 0 |
| MAT 2613, Calculus III | 3 | Social Science | 3 |
| Foreign Language or Hum. | 3 | Foreign Language or Hum. | 3 |
| Fine Arts | 3 | MAT 2623, Calculus IV | 3 |
| Total | 16 | Total | 16 |

* Students who must take Algebra and Trigonometry are advised to take them during the summer prior to fall enrollment.

Computer Science

Advisers: Hall, Khouri, Overton, Xiong

Most senior colleges offer both a Bachelor of Arts and a Bachelor of Science degree in computer science. The University of Mississippi and Mississippi State University also offer through their engineering schools a computer science degree that does not have a foreign language requirement. Since the requirements are all slightly different, the curriculum at Northwest will be varied to fit the needs of the student. The

suggested schedule is one that most closely fits the requirements for the Bachelor of Science degree. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

Computer Science is very mathematical. If a student has less than a 15 composite score on the ACT, proficiency must first be determined in college algebra by making no less than a grade of C.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|---------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| MAT 1613, Calculus I..... | 3 | MAT 1623, Calculus II | 3 |
| **Social Science..... | 3 | History | 3 |
| SPT 1113, Public Speaking I | 3 | CSC 2613, Comp. Prog. II (JAVA) | 3 |
| CSC 1613, Computer Prog. I (JAVA) | 3 | *Lab Science elective..... | 4 |
| Elective | 1 | | |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---|----------------|
| PHY 2513, Physics for Engr. I | 3 | MAT 2113, Linear Algebra..... | 3 |
| PHY 2511, Physics Lab for Engr. I..... | 1 | Art or Music Appreciation..... | 3 |
| MAT 2613, Calculus III | 3 | PHY 2523, Physics for Engr. II..... | 3 |
| ENG 2323, Literature..... | 3 | PHY 2521, Physics Lab for Engr. II..... | 1 |
| CSC 2133, Comp. Prog. I w/ "C++" ... | 3 | CSC 2143, Comp. Prog. II w/ "C++" .. | 3 |
| Approved Elective | 3 | Approved Elective | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

* LAB SCIENCE ELECTIVES include BIO 1134, CHE 1214 or CHE 1224

** SOCIAL SCIENCE ELECTIVES include ECO 2113, GEO 1113, GEO 1123, PSC 1113, PSY 1513, SOC 2113

Approved courses may be substituted in the Computer Science program in accordance with specific requirements of the senior institutions.

Forestry

Adviser: Donahou

This course is designed for a student who wishes to major in forestry or one of its options (see below). A student will receive an Associate of Arts degree upon completion of this two-year program of study.

FRESHMAN YEAR

| Fall Semester | Semester Hours | Spring Semester | Semester Hours |
|---------------------------------------|----------------|------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| BIO 2414/2410, Zoology I and Lab | 4 | AGR 2314, Basic Soils..... | 4 |
| MAT 1313, College Algebra | 3 | MAT 2323/BAD 2323, Statistics..... | 3 |
| BIO 1313/1311, Botany I and Lab | 4 | AGR 1523, Intro. to Forestry..... | 3 |
| ECO 2123, Prin. of Economics II | 3 | Fine Arts Elective..... | 3 |
| Total | <u>17</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| Fall Semester | Semester Hours | Spring Semester | Semester Hours |
|---------------------------------------|-----------------------|--|-----------------------|
| CHE 1213/1211, Chem. I and Lab.....4 | | CHE 1223/1221, Chem. II and Lab.....4 | |
| BIO 2314/2310, Dendrology 4 | | CSC 1123, Comp. Applications I.....3 | |
| *CSC 1113, Computer Concepts3 | | Social/Behavioral Science.....3 | |
| SPT 1113, Public Speaking I3 | | **Approved Math/Science Elective3 | |
| **Approved Math/Science Elective ...3 | | Humanities Elective3 | |
| Total | 17 | Total | 16 |

The student has several options within this major. There are generally two divergent areas of study—Forestry OR Wildlife and Fisheries Science. Each has options as well as specific course requirements as outlined below. Students should consult with an adviser to customize their program of study.

- * Students with previous software experience may take another approved elective.
- ** Forestry Options: Students should take MAT 1323 (Trigonometry) and PHY 2413/2411(Physics and Physics Lab).
- ** Wildlife and Fisheries Science Options: Students should take MAT 1513 (Business Calculus I) or MAT 1613 (Calculus I) as well as another approved elective.

General Agriculture

Adviser: Donahou

This curriculum is designed to give the student a broad training in the overall field of agriculture. Electives may be used to give the student additional training in one or two subject-matter areas.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---------------------------------------|-----------------------|---------------------------------------|-----------------------|
| BIO 1313, Botany I3 | | ECO 2113, Prin. of Economics3 | |
| BIO 1311, Botany I Lab1 | | CHE 1323, Prin. of Chem. II3 | |
| CHE 1313, Prin. of Chem. I3 | | CHE 1321, Prin. of Chem. II Lab.....1 | |
| CHE 1311, Prin. of Chem. I Lab1 | | ENG 1123, Eng. Comp. II.....3 | |
| ENG 1113, Eng. Comp. I3 | | HIS 2113, Am. History3 | |
| MAT 1313, College Algebra.....3 | | BIO 1323, Botany II3 | |
| | | BIO 1320, Botany II Lab0 | |
| Total | 14 | Total | 16 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|-----------------------|-------------------------------------|-----------------------|
| AGR 1313, Plant Science.....3 | | AGR 2314, Soils4 | |
| BIO 2414, Zoology I.....4 | | AGR 2310, Soils Lab0 | |
| BIO 2410, Zoology I Lab.....0 | | CSC 1113, Computer Concepts3 | |
| SPT 1113, Public Speaking I3 | | Humanities or Fine Arts.....3 | |
| AGR 1214, Animal Science/Lab.....4 | | PHY 2243, Phy. Science I3 | |
| ECO 2123, Prin. of Economics3 | | PHY 2241, Phy. Science I Lab1 | |
| | | Electives4 | |
| Total | 17 | Total | 18 |

General Science

Advisers: Cox, Greene, Grisham, Rinaldy, H. Simmons, Sylvester

The following is for a student who plans to transfer to a four-year college or university with advanced standing leading to the B.S. degree. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree. Substitutions in some cases may be made with the approval of the adviser.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-----------------------------------|----------------|------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| CHE 1213, Chemistry I..... | 3 | CHE 1223, Chemistry II..... | 3 |
| CHE 1211, Chemistry I Lab..... | 1 | CHE 1221, Chemistry II Lab..... | 1 |
| MAT 1313, College Algebra..... | 3 | MAT 1323, Trigonometry..... | 3 |
| BIO 1133, Gen. Biology I..... | 3 | BIO 1143, Gen. Biology II..... | 3 |
| BIO 1131, Gen. Biology I Lab..... | 1 | BIO 1141, Gen. Biology II Lab..... | 1 |
| P.E. Activity..... | 1 | Elective..... | 3 |
| | | P.E. Activity..... | 1 |
| Total | <u>15</u> | Total | <u>18</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|--------------------------------------|----------------|
| ENG 2323, British Literature I..... | 3 | ENG 2333, British Literature II..... | 3 |
| PHY 2413, Physics I..... | 3 | PHY 2423, Physics II..... | 3 |
| PHY 2411, Physics I Lab..... | 1 | PHY 2421, Physics II Lab..... | 1 |
| PSY 1513, Psychology..... | 3 | SPT 1113, Public Speaking I..... | 3 |
| CSC 1113, Computer Concepts..... | 3 | Social Science..... | 3 |
| Elective..... | 3 | CSC 1213, Basic Programming..... | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

Health Professions

Pre-Clinical Laboratory Sciences

Advisers: Bonds, Bugg, Cleveland, Nickens, Rinaldy, Robison, Shaffer, H. Simmons, L. Strong

The clinical lab scientist performs analytical tests on body fluids, cells and products, the results of which are used by physicians to diagnose disease, to select and monitor treatment and to counsel for prevention of disease. These tests require knowledge and skills in clinical chemistry, hematology, immunology, immunohematology and microbiology. In the work arena the role of the clinical lab scientist has expanded beyond the scientific aspects to include management and teaching. Pre-Med option: A B.S. degree in Clinical Laboratory Sciences is excellent preparation for applicants to medical school.

It is advisable that the clinical lab science baccalaureate degree requirements of the senior college you plan to attend be investigated prior to the sophomore year so that electives may be chosen wisely. The student must maintain a high quality of academic work. The University of Mississippi Medical Center in Jackson and the University of Tennessee College of Allied Health Sciences in Memphis offer two-year B.S. degree programs which require two years of preparatory course work.

A graduate of the course outlined below is entitled to the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------|----------------|---------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| CHE 1213, Chemistry I..... | 3 | CHE 1223, Chemistry II..... | 3 |
| CHE 1211, Chemistry I Lab..... | 1 | CHE 1221, Chemistry II Lab..... | 1 |
| MAT 1313, College Algebra..... | 3 | MAT 1323, Trigonometry (or higher) .3 | |
| BIO 1513, A & P I..... | 3 | BIO 2414, Zoology I..... | 4 |
| BIO 1511, A & P I Lab..... | 1 | BIO 2410, Zoology I Lab..... | 0 |
| Fine Arts Elective..... | 3 | Elective (Humanities)..... | 3 |
| Total | 17 | Total | 17 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|------------------------------------|----------------|-------------------------------------|----------------|
| CHE 2424, Organic Chemistry I..... | 4 | CHE 2434, Organic Chemistry II..... | 4 |
| CHE 2420, Organic Chem. I Lab..... | 0 | CHE 2430, Organic Chem. II Lab..... | 0 |
| Elective*..... | 3 | Elective*..... | 3 |
| BIO 2924, Microbiology..... | 4 | CSC 1113, Computer Concepts..... | 3 |
| BIO 2920, Micro. Lab..... | 0 | SPT 1113, Public Speaking I..... | 3 |
| PSY 1513, Gen. Psychology I..... | 3 | Elective (Humanities)..... | 3 |
| Elective*..... | 3 | | |
| Total | 17 | Total | 16 |

* Recommended electives: Calculus, psychology, sociology, management and computer courses.

Pre-Cytotechnology

Advisers: Bonds, Bugg, Cleveland, Nickens, Rinaldy, Robison,
H. Simmons, Shaffer, L. Strong

This curriculum is designed to provide the necessary requirements for the student to apply to the University of Mississippi Medical Center in Jackson, Miss., for an additional two years of study leading to a baccalaureate degree. The program also prepares the student for certification examinations in cytotechnology.

A cytotechnologist is a member of the health-care team who works with cell samples, prepares them for examination on slides, stains and studies the preparation. By knowing what normal cells look like, the cytotechnologist can recognize those changes which relate to cancer and other disease processes. Most cytotechnologists work in hospitals under a pathologist's direction, but may also work in clinics and private laboratories.

An Associate of Arts degree is awarded by Northwest upon completion of the curriculum below.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------|----------------|-------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| MAT 1313, College Algebra..... | 3 | MAT 1323, Trig. or higher math..... | 3 |
| CHE 1213, Chemistry I..... | 3 | CHE 1223, Chemistry II..... | 3 |
| CHE 1211, Chemistry I Lab..... | 1 | CHE 1221, Chemistry II Lab..... | 1 |
| BIO 2414, Zoology I..... | 4 | BIO 2424, Zoology II..... | 4 |
| BIO 2410, Zoology I Lab..... | 0 | BIO 2420, Zoology II Lab..... | 0 |
| Fine Arts Elective..... | 3 | SPT 1113, Public Speaking I..... | 3 |
| Total | 17 | Total | 17 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|--|----------------|
| ENG 2323, British Lit. I (Humanities)..... | 3 | ENG 2333, British Lit. II (Humanities) | 3 |
| BIO 1513, A & P I..... | 3 | BIO 1523, A & P II..... | 3 |
| BIO 1511, A & P I Lab..... | 1 | BIO 1521, A & P II Lab | 1 |
| SOC 2113, Intro. Sociology I | 3 | BIO 2924, Microbiology..... | 4 |
| Humanities** | 3 | BIO 2920, Microbiology Lab..... | 0 |
| CSC 1113, Computer Concepts | 3 | Social Science*..... | 3 |
| | | PSY 1513, Gen. Psychology I..... | 3 |
| Total | 16 | Total | 17 |

Electives for transfer must not be Botany, Physical Education, or Career-Technical courses. A total of 65 semester hours of acceptable courses are needed, with a grade of "C" or better.

* Social Science: excluding history

** Humanities: Literature, Foreign Language, Philosophy, Religion, History, or Journalism

Pre-Dental or Pre-Medical

Advisers: Aultman, Greene, Hamilton-Wims, Jones, Miller, Rinaldy, Shaffer,
H. Simmons, Sylvester

A minimum of 90 acceptable hours of college work is required for entrance into dental school or medical school. Students should apply for admission to the dental school or for admission to the medical school they plan to attend during the third year in college. The American Dental Association Dental Admission Test is normally taken during the sophomore year. The Medical College Admission Test should be taken during the junior year. The student must maintain a high quality of academic work for both programs. A graduate of the following two-year curriculum is entitled to the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---------------------------------------|----------------|---------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| CHE 1213, Chemistry I | 3 | CHE 1223, Chemistry II | 3 |
| CHE 1211, Chemistry I Lab | 1 | CHE 1221, Chemistry II Lab | 1 |
| MAT 1313, College Algebra..... | 3 | MAT 1323, Trigonometry | 3 |
| BIO 1133, General Biology I | 3 | BIO 1143, General Biology II | 3 |
| BIO 1131, General Biology I Lab | 1 | BIO 1141, General Biology II Lab..... | 1 |
| PSY 1513, General Psychology | 3 | SPT 1113, Public Speaking I | 3 |
| Total | 17 | Total | 17 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---------------------------------------|----------------|--------------------------------------|----------------|
| CHE 2424, Organic Chemistry I | 4 | CHE 2434, Organic Chemistry II | 4 |
| CHE 2420, Organic Chem. I Lab | 0 | CHE 2430, Organic Chem. II Lab..... | 0 |
| PHY 2413, General Physics I..... | 3 | PHY 2423, General Physics II..... | 3 |
| PHY 2411, General Physics I Lab..... | 1 | PHY 2421, Physics II Lab..... | 1 |
| MFL 1213, (1113), Foreign Language .3 | | MFL 1223, (1123), Foreign Lang..... | 3 |
| Fine Arts Elective..... | 3 | CSC 1113, Computer Concepts | 3 |
| General Elective | 3 | | |
| Total | 17 | Total | 14 |

Pre-Dental Hygiene

Advisers: Bonds, Bugg, Cleveland, Nickens, Rinaldy, Robison,
Shaffer, H. Simmons, L. Strong

This program is designed for the student to take the first two years of course work at Northwest Mississippi Community College, and transfer to the University of Mississippi Medical Center in Jackson, Miss., for the junior and senior years of course work. The University of Tennessee College of Allied Health Professions in Memphis has slightly different requirements. (See note.) An Associate of Arts degree is awarded by Northwest upon completion of the curriculum below.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|----------------------------------|----------------|-----------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| CHE 1213, Gen. Chem. I..... | 3 | CHE 1223, Gen. Chem. II..... | 3 |
| CHE 1211, Gen. Chem. I Lab..... | 1 | CHE 1221, Gen. Chem. II Lab..... | 1 |
| BIO 1513, A & P I..... | 3 | BIO 1523, A & P II..... | 3 |
| BIO 1511, A & P I Lab..... | 1 | BIO 1521, A & P II Lab..... | 1 |
| MAT 1313, College Algebra..... | 3 | PSY 1523, Gen. Psychology II..... | 3 |
| PSY 1513, Gen. Psychology I..... | 3 | CSC 1113, Computer Concepts..... | 3 |
| Total | <u>17</u> | Total | <u>17</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---|----------------|
| ENG 2323, British Lit. I (Humanities)..... | 3 | ENG 2333, British Lit. II (Humanities)..... | 3 |
| BIO 2414, Zoology I..... | 4 | EPY 2533, Human Growth & Dev. | 3 |
| BIO 2410, Zoology I Lab..... | 0 | FCS 1253, Nutrition..... | 3 |
| SOC 2113, Intro. to Sociology I..... | 3 | ACC 1213, Accounting Prin. I..... | 3 |
| SPT 1113, Public Speaking I..... | 3 | Fine Arts Elective..... | 3 |
| BIO 2924, Microbiology..... | 4 | | |
| BIO 2920, Microbiology Lab..... | 0 | | |
| Total | <u>17</u> | Total | <u>15</u> |

A grade of "C" or better in each course is required.

* Or other Psychology/Sociology Elective

Note: UTC AHS requires General Chemistry I and II with lab plus Anatomy & Physiology I and II with lab. Also General Biology I with lab should be substituted for General Zoology I with lab. A total of 64 hours is required, not to include physical education or career-technical education.

Pre-Health Information Management

Advisers: Bonds, Bugg, Cleveland, Nickens, Rinaldy, Robison,
Shaffer, H. Simmons, L. Strong

This program is designed for the student to take the first two years of course work at Northwest Mississippi Community College and apply to The University of Mississippi Medical Center in Jackson for junior and senior years of course work.

The health record administrator is the professional member of the health care team who is responsible for the management of medical and other health records practice consistent with the medical, administrative, ethical and legal requirements of the health care delivery system. An Associate of Arts degree is awarded by Northwest upon completion of the curriculum below.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|----------------------------------|----------------|---------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| MAT 1313, College Algebra..... | 3 | MAT 1323, Trigonometry (or higher) .3 | |
| BIO 1513, A & P I..... | 3 | BIO 1523, A & P II..... | 3 |
| BIO 1511, A & P I Lab..... | 1 | BIO 1521, A & P II Lab | 1 |
| PSY 1513, Gen. Psychology I..... | 3 | SPT 1113, Public Speaking I | 3 |
| Fine Arts Elective..... | 3 | PSY 1523, Gen. Psychology II | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---------------------------------------|----------------|---------------------------------------|----------------|
| ENG 2323, British Lit.* I..... | 3 | ENG 2333, British Lit.* II | 3 |
| ACC 1213, Prin. of Accounting I | 3 | BOA 2613, Bus. Comm. | 3 |
| BIO 2414, Zoology I..... | 4 | BIO 2424, Zoology II..... | 4 |
| BIO 2410, Zoology I Lab..... | 0 | BIO 2420, Zoology II Lab | 0 |
| CSC 1113, Computer Concepts | 3 | ACC 1223, Prin. of Accounting II..... | 3 |
| Elective** | 3 | Electives..... | 4 |
| Total | <u>16</u> | Total | <u>17</u> |

* Humanities (May choose from History, Literature, Foreign Language, Philosophy, Religion or Journalism).

** Choose from additional Computer Science courses, additional Psychology courses, Business Communication, Economics, or Business Management.

Evidence of observations in a Medical Records Department is recommended.

Note: At the University of Mississippi Medical Center in Jackson, this program is called Health Information Management. Other schools call this Medical Record Administration.

Must have a minimum of 65 semester hours of academic credit (exclusive of Physical Education and Career-Technical courses).

Pre-Nursing (B.S.N.)

Advisers: Cleveland, Hamilton-Wims, Jones, Miller, Rinaldy, Robison, Shaffer,
H. Simmons, Sylvester

Two types of nursing programs are normally pursued in Mississippi. One is an associate degree program that is offered at Northwest by the Nursing Department. The other is a four-year transfer program, with the first two years taken at Northwest and the final two years taken at a nursing school such as the University of Mississippi Medical Center at Jackson. Some students find it advisable to attend one year of pre-nursing before going into an associate degree program.

This pre-nursing program is for those students who wish to transfer into a school of nursing other than Northwest Mississippi Community College Associate Degree Nursing Program. Considerable flexibility is allowed in the selection of courses and the student should consult the requirements for the school he or she plans to enter to ensure that these requirements will be met. Students who plan to enter the Northwest Nursing Program should consult that department for suggested changes in the curriculum that will better prepare them for this program.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| MAT 1313, College Algebra..... | 3 | EPY 2533, Human Growth & Dev. | 3 |
| BIO 1513, A & P I..... | 3 | BIO 1523, A & P II..... | 3 |
| BIO 1511, A & P I Lab..... | 1 | BIO 1521, A & P II Lab | 1 |
| SOC 2113, Intro. to Sociology | 3 | Humanities Elective** | 3 |
| PSY 1513, Gen. Psychology | 3 | FCS 1253, Nutrition | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|--|----------------|
| SOC 2143, Marriage and Family | 3 | Social/Behavioral Science Elective* | 3 |
| SPT 1113, Public Speaking I | 3 | BIO 2924, Microbiology..... | 4 |
| CHE 1213, Gen. Chemistry I | 3 | BIO 2920, Microbiology Lab..... | 0 |
| CHE 1211, Gen. Chemistry I Lab | 1 | Fine Arts Elective..... | 3 |
| BAD 2323 Business Statistics | 3 | CHE 1223, Gen. Chemistry II..... | 3 |
| CSC 1113, Computer Concepts | 3 | CHE 1221, Gen. Chemistry II Lab..... | 1 |
| Total | <u>16</u> | Humanities Elective** | 3 |
| | | Total | <u>17</u> |

* Choose from: Economics, Geography, Political Science, History, Psychology II.

** Two courses; choose from: Art, Drama, Foreign Language, Journalism, Literature, Music, Philosophy, History.

Pre-Occupational Therapy

Advisers: Bonds, Bugg, Cleveland, Nickens, Rinaldy, Robison,
Shaffer, H. Simmons, L. Strong, Sylvester

The University of Mississippi School of Health Related Professions in Jackson offers the Master of Science degree in occupational therapy. Students would attend two years at Northwest then three years at University of Mississippi Medical Center. The University of Tennessee offers a Master of Science degree with a prerequisite of 90 hours.

Northwest has designed a program to provide the student with the academic requirement for admission. An Associate of Arts degree is awarded by Northwest upon completion of the curriculum below.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| MAT 1313, College Algebra..... | 3 | MAT 1323, Trigonometry | 3 |
| BIO 1513, A & P I..... | 3 | BIO 1523, A & P II..... | 3 |
| BIO 1511, A & P I Lab..... | 1 | BIO 1521, A & P II Lab | 1 |
| CHE 1213, Gen. Chemistry I | 3 | PSY 1523, Gen. Psychology II | 3 |
| CHE 1211, Gen. Chemistry I Lab | 1 | CSC 1113, Computer Concepts | 3 |
| PSY 1513, Gen. Psychology | 3 | Total | <u>16</u> |
| Total | <u>17</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|--|----------------|
| ENG 2323, British Lit. I (Humanities)..... | 3 | ENG 2333, British Lit. II (Humanities) | 3 |
| SOC 2113, Sociology I..... | 3 | SOC 2123, Sociology II | 3 |
| PHY 2413, Physics I..... | 3 | BIO 2424, Zoology II..... | 4 |
| PHY 2411, Physics I Lab | 1 | BIO 2420, Zoology II Lab | 0 |
| Fine Arts Elective..... | 3 | SPT 1113, Public Speaking I | 3 |
| BIO 2414, Zoology I..... | 4 | EPY 2533, Human Growth & Dev. | 3 |
| BIO 2410, Zoology I Lab..... | 0 | | |
| Total | 17 | Total | 16 |

Other highly recommended electives - First Aid, Statistics, and Typing Proficiency.

Electives must be sufficient to bring the total semester hours of acceptable credit to 64. Physical Education Activity and Dogmatic Religion are not acceptable for transfer to the Medical Center.

** Must provide evidence of 16 hours of observation in at least two Occupational Therapy clinical departments.

Pre-Optometry

Advisers: Aultman, Greene, Hamilton-Wims, Jones, Miller, H. Simmons, Sylvester
 A minimum of 90 acceptable hours of college work is required for entrance into optometry school. Students should apply for admission to the optometry school they plan to attend during their third year in college. The Optometry School Admissions Test should be taken during the junior year. The student must maintain a high quality of academic work. A graduate of the following two-year curriculum is entitled to the Associate of Arts degree. The student must select a major at the senior college of his choice.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|--------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| CHE 1213, Gen. Chemistry I..... | 3 | CHE 1223, Gen. Chemistry II..... | 3 |
| CHE 1211, Gen. Chemistry I Lab | 1 | CHE 1221, Gen. Chemistry II Lab..... | 1 |
| MAT 1313, College Algebra..... | 3 | MAT 1323, Trigonometry | 3 |
| BIO 1133, Gen. Biology I | 3 | BIO 1143, Gen. Biology II | 3 |
| BIO 1131, Gen. Biology I Lab | 1 | BIO 1141, Gen. Biology II Lab..... | 1 |
| PSY 1513, Gen. Psychology..... | 3 | CSC 1113, Computer Concepts | 3 |
| Total | 17 | Total | 17 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|--------------------------------------|----------------|
| CHE 2424, Organic Chemistry I | 4 | **ACC 1223, Prin. of Accounting..... | 3 |
| CHE 2420, Organic Chem. I Lab | 0 | PHY 2423, Physics II..... | 3 |
| PHY 2413, Physics I | 3 | PHY 2421, Physics II Lab..... | 1 |
| PHY 2411, Physics I Lab | 1 | Social Science*..... | 3 |
| BIO 2924, Microbiology..... | 4 | ENG 2323, British Lit. I..... | 3 |
| BIO 2920, Microbiology Lab..... | 0 | SPT 1113, Public Speaking I | 3 |
| Social Science..... | 3 | | |
| Total | 15 | Total | 16 |

* Students may choose to take Organic Chemistry II to fulfill senior college degree requirements.

** Students may choose to take Organic Chemistry II and lab to fulfill senior college degree requirements.

Pre-Pharmacy

Advisers: Aultman, Greene, Hamilton-Wims, Jones, Miller, Shaffer, H. Simmons, Sylvester

The following pre-pharmacy courses are the basis for the six-year pharmacy curriculum which may be completed in four additional years at the professional pharmacy school. Increasing competition for entrance into the professional pharmacy school requires that the student should maintain an above average grade point average during the freshman and sophomore years. Some professional pharmacy schools also require that the Pharmacy College Admission Test be taken during the sophomore year.

A graduate of the following two-year program is entitled to the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|--------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| CHE 1213, Gen. Chemistry I..... | 3 | CHE 1223, Gen. Chemistry II..... | 3 |
| CHE 1211, Gen. Chemistry I Lab..... | 1 | CHE 1221, Gen. Chemistry II Lab..... | 1 |
| MAT 1613, Calculus I..... | 3 | SPT 1113, Public Speaking I..... | 3 |
| BIO 1133, Gen. Biology I..... | 3 | BIO 1143, Gen. Biology II..... | 3 |
| BIO 1131, Gen. Biology I Lab..... | 1 | BIO 1141, Gen. Biology II Lab..... | 1 |
| PSY 1513, Gen. Psychology..... | 3 | ECO 2123, Prin. of Economics II..... | 3 |
| Total | 17 | Total | 17 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|------------------------------------|----------------|---|----------------|
| CHE 2424, Organic Chemistry I..... | 4 | CHE 2434, Organic Chemistry II..... | 4 |
| CHE 2420, Organic Chem. I Lab..... | 0 | CHE 2430, Organic Chemistry II Lab..... | 0 |
| PHY 2413, Physics I..... | 3 | PHY 2423, Physics II..... | 3 |
| PHY 2411, Physics I Lab..... | 1 | PHY 2421, Physics II Lab..... | 1 |
| Social Studies..... | 3 | Humanities..... | 3 |
| Humanities..... | 3 | CSC 1113, Computer Concepts..... | 3 |
| Fine Arts..... | 3 | MAT 2323, Statistics..... | 3 |
| Total | 17 | Total | 17 |

Electives: Electives selected must include at least six hours in the Social Sciences and 9 hours in Humanities and Fine Arts—at least one course in Humanities and one in Fine Arts.

Psychology is a recommended elective.

Students may take 3 semesters of Band for the Performing Fine Arts.

There must be a total of 21 hours of electives.

Pre-Physical Therapy

Advisers: Bonds, Bugg, Cleveland, Miller, Rinaldy, Robison, Shaffer, H. Simmons, L. Strong, Sylvester

This program is designed for the student who plans to continue a Bachelor of Science degree at a four-year college or university then apply to the Doctor of Physical Therapy program at the University of Mississippi Medical Center (UMMC) in Jackson, Miss., or other Physical Therapy programs in the surrounding states of Tennessee, Georgia and Arkansas. The student should be aware that the entrance to all Physical Therapy programs, including the one in Jackson, is highly competitive, and high grade point average is usually required for acceptance. Most Physical Therapy programs are three years beyond a Bachelor of Science degree. It is highly recommended that students who choose this program work closely with their advisers. An Associate of Arts

degree is awarded by Northwest upon completion of the curriculum below.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|--------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| CHE 1213, Gen. Chemistry I..... | 3 | CHE 1223, Gen. Chemistry II..... | 3 |
| CHE 1211, Gen. Chemistry I Lab..... | 1 | CHE 1221, Gen. Chemistry II Lab..... | 1 |
| MAT 1313, College Algebra..... | 3 | MAT 1323, Trigonometry..... | 3 |
| BIO 1513, A & P I..... | 3 | BIO 1523, A & P II..... | 3 |
| BIO 1511, A & P I Lab..... | 1 | BIO 1521, A & P II Lab..... | 1 |
| | | SPT 1113, Public Speaking I..... | 3 |
| Total | 14 | Total | 17 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---|----------------|
| ENG 2323, British Lit. I (Humanities)..... | 3 | ENG 2333, British Lit. II (Humanities)..... | 3 |
| PSY 1513, Gen. Psychology I..... | 3 | PSY 1523, Gen. Psychology II..... | 3 |
| PHY 2413, Physics I..... | 3 | PHY 2423, Physics II..... | 3 |
| PHY 2411, Physics I Lab..... | 1 | PHY 2421, Physics II Lab..... | 1 |
| BIO 1133, General Biology I..... | 3 | BIO 1143, General Biology II..... | 3 |
| BIO 1131, General Biology I Lab..... | 1 | BIO 1141, General Biology II Lab..... | 1 |
| CSC 1113, Computer Concepts..... | 3 | Fine Arts Elective..... | 3 |
| Total | 17 | Total | 17 |

* Choose from Sociology, Economics, Political Science, History or Anthropology.

Students must complete 40 hours of observation in at least two physical therapy departments or clinical sites before applying to the University of Mississippi Medical Center.

Pre-Radiologic Technology

Advisers: Bonds, Bugg, Cleveland, Nickens, Rinaldy,
Robison, Shaffer, H. Simmons, L. Strong

The University of Mississippi Medical Center at Jackson has a strong radiologic certificate program. This program in general does not require college work for entrance; however, students find it to their advantage to establish a firm foundation in science before entering the program. Also, the hospitals generally give preference to applicants who have a college background.

Baptist College of Health Sciences, Memphis, offers the Bachelor of Health Science Degree with a major in Medical Radiography, Diagnostic Medical Sonography, Nuclear Medicine Technology, or Radiation Therapy Technology. Enrollment in each of the majors is limited to the number of clinical sites available. Students are encouraged to meet with their advisor early in their academic career if they are considering transferring to Baptist College to complete their baccalaureate degree in any of these majors.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|----------------------------------|----------------|--------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| CSC 1113, Computer Concepts..... | 3 | MAT 1323, Trigonometry..... | 3 |
| Elective*..... | 3 | BIO 1523, A & P II..... | 3 |
| MAT 1313, College Algebra..... | 3 | BIO 1521, A & P II Lab..... | 1 |
| BIO 1513, A & P I..... | 3 | JOU 2513, Beginning Photography..... | 3 |
| BIO 1511, A & P I Lab..... | 1 | Elective*..... | 3 |
| Total | 16 | Total | 16 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-----------------------------------|----------------|--------------------------------|----------------|
| PHY 2413, Physics I | 3 | PHY 2423, Physics II | 3 |
| PHY 2411, Physics I Lab | 1 | PHY 2421, Physics II Lab | 1 |
| PSY 1513, Psychology I** | 3 | BIO 2424, Zoology II | 4 |
| BIO 2414, Zoology I | 4 | BIO 2420, Zoology II Lab | 0 |
| BIO 2410, Zoology I Lab | 0 | Fine Arts Elective | 3 |
| SPT 1113, Public Speaking I. | 3 | Sociology Elective | 3 |
| Elective* | 3 | Elective* | 3 |
| Total | <u>17</u> | Total | <u>17</u> |

* Recommended: Additional courses in Advanced Math, Computer Science, First Aid, Nutrition and Fundamentals of Digital Photography.

** If applying to Baptist College of Health Sciences, Psychology II (PSY 1523) and American Literature (ENG 2223) should be taken instead of two of the electives.

Note: Radiologic Technologists are certified by examination without a degree.

Pre-Veterinary Medicine

Advisers: Rinaldy, Robison, Shaffer, H. Simmons, L. Strong, Sylvester

This curriculum is designed for students who wish to major in Veterinary Medicine. Students can transfer to Mississippi State's School of Veterinary Medicine for the additional four years of professional training. Satisfactory completion of the Northwest curriculum will qualify the student for the Associate of Arts degree. In addition, applicants to the School of Veterinary Medicine must complete four additional courses for admission: Nutrition, Genetics, Cell Biology and Biochemistry.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|---------------------------------------|----------------|
| ENG 1113, Eng. Comp. I | 3 | ENG 1123, Eng. Comp. II | 3 |
| CHE 1213, Gen. Chemistry I | 3 | CHE 1223, Gen. Chemistry II | 3 |
| CHE 1211, Gen. Chemistry I Lab | 1 | CHE 1221, Gen. Chemistry II Lab | 1 |
| MAT 1313, College Algebra | 3 | MAT 1323, Trigonometry | 3 |
| HIS 2223, American History | 3 | BIO 2424, Gen. Zoology II | 4 |
| BIO 1133, Gen. Biology I | 3 | BIO 2420, Gen. Zoology II Lab | 0 |
| BIO 1131, Gen. Biology I Lab | 1 | Humanities/Fine Arts | 3 |
| Total | <u>17</u> | Total | <u>17</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|--------------------------------------|----------------|
| CHE 2424, Organic Chemistry I | 4 | CHE 2434, Organic Chemistry II | 4 |
| CHE 2420, Organic Chem. I Lab | 0 | CHE 2430, Organic Chem. II Lab | 0 |
| CSC 1113, Computer Concepts | 3 | Humanities/Fine Arts Elective | 6 |
| SPT 1113, Public Speaking I | 3 | BIO 2924, Microbiology | 4 |
| PHY 2413, General Physics I | 3 | BIO 2920, Microbiology Lab | 0 |
| PHY 2411, Physics I Lab | 1 | | |
| Social/Behavioral Science | 3 | | |
| Total | <u>17</u> | Total | <u>14</u> |

Mathematics

Advisers: Alexander, Ferguson, Waldrop

The mathematics curriculum is the lower division as required by the senior college or university. The entering freshman must present a minimum of the following high school units: algebra, 2; geometry, 1; English, 3; science, 1; and enough others to make a total of 15. It is advised that a student having deficiencies in the field of mathematics attend summer school during the summer prior to regular enrollment in order not to interfere with the normal sequence of courses. The curriculum is designed to prepare the student to do advanced work in their field of mathematics. Algebra 1313 and Trigonometry 1323 may be used as general electives for math. An Associate of Arts degree is awarded upon completion of this curriculum.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---------------------------------|----------------|----------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| MAT 1613, Calculus I..... | 3 | MAT 1623, Calculus II..... | 3 |
| MFL 1113, French I..... | 3 | MFL 1123, French II..... | 3 |
| History (Am./Western Civ.)..... | 3 | History (Am./Western Civ.)..... | 3 |
| CHE 1213, CHE 1211 or | | SPT 1113, Public Speaking I..... | 3 |
| BIO 1133, 1131..... | 4 | Elective..... | 1 |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--|----------------|---|----------------|
| Literature/Humanities..... | 3 | Literature/Humanities..... | 3 |
| MAT 2613, Calculus III..... | 3 | MAT 2623, Calculus IV..... | 3 |
| PHY 2513, Physics for Engr. I..... | 3 | MAT 2913, Differential Equations..... | 3 |
| PHY 2511, Physics for Engr. I Lab..... | 1 | PHY 2523, Physics for Engr. II..... | 3 |
| PSY 1513, Gen. Psychology I..... | 3 | PHY 2521, Physics for Engr. II Lab..... | 1 |
| Fine Arts Elective (Art or Music)..... | 3 | Computer Programming..... | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

Outdoor Recreation and Management

Adviser: Donahou

This two-year curriculum is designed for those seeking to further their studies and obtain a Bachelor of Arts degree from a four-year institution. The outlined coursework prepares those students seeking a Bachelor of Arts degree in Park and Recreation Management. Graduates will find careers in park management, recreation, as youth program leaders, and in the military. Our program at Northwest allows the student to compete for the Corps of Engineers Student Career Experience Program (SCEP).

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-----------------------------|----------------|----------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| **History Elective..... | 3 | **History Elective..... | 3 |
| HPR 1213, Health..... | 3 | SPT 1113, Public Speaking I..... | 3 |
| *BIO Science with Lab..... | 4 | *BIO Science with Lab..... | 4 |
| Fine Arts Elective..... | 3 | **Recommended Elective..... | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|------------------------------------|----------------|------------------------------------|----------------|
| **Literature | 3 | ** Literature | 3 |
| PSC 1113, American Government..... | 3 | HPR 2213, First Aid..... | 3 |
| EPY 2533, Human Growth & Dev..... | 3 | PSY 1513, Gen. Psychology..... | 3 |
| CSC 1113, Computer Concepts | 3 | MAT 2323/BAD 2323, Statistics..... | 3 |
| MAT 1313, College Algebra..... | 3 | SOC 2113, Intro. to Sociology..... | 3 |
| ** Recommended Elective..... | 2 | ** Recommended Elective..... | 1 |
| Total | <u>17</u> | Total | <u>17</u> |

There are generally four tracks offered at universities within this major: Therapeutic Recreation, Recreational Sports Leadership, Tourism and Outdoor Recreation and Interpretation. Students should consult with an adviser for specific requirements.

*BIO 1513/1511, and BIO 1523/1521, Anatomy and Physiology should be taken if the student chooses the Recreational Sports Leadership track.

** GEO 1113, World Geography as well as other history and science electives should be taken if the student chooses the Outdoor Recreation and Interpretation track. Also, the literature classes should be consecutive courses in either British Literature OR American Literature.

Physics

Adviser: Ali

The following curriculum is for students who plan to continue their education at a senior college with a major or minor in physics. Some variation is possible, especially if the student has a good high school foundation in mathematics. An Associate of Arts degree is awarded upon completion of this curriculum.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|--------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| MAT 1613, Calculus I..... | 3 | MAT 1623, Calculus II | 3 |
| CHE 1213, Gen. Chemistry I | 3 | CHE 1223, Gen. Chemistry II..... | 3 |
| CHE 1211, Gen. Chemistry I Lab | 1 | CHE 1221, Gen. Chemistry II Lab..... | 1 |
| Foreign Language..... | 3 | ENG 2243, Literature..... | 3 |
| SPT 1113, Public Speaking I | 3 | Foreign Language..... | 3 |
| Total | <u>16</u> | Total | <u>16</u> |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------|----------------|--|----------------|
| ENG 2233, Literature..... | 3 | CSC 2323, Fortran Programming..... | 3 |
| PHY 2513, Physics I..... | 3 | MAT 2913, Differential Equations | 3 |
| PHY 2511, Physics I Lab | 1 | MAT 2623, Calculus IV..... | 3 |
| MAT 2613, Calculus III | 3 | MAT 2113, Linear Algebra..... | 3 |
| Social Science..... | 3 | PHY 2523, Physics II..... | 3 |
| Approved Elective..... | 3 | PHY 2521, Physics II Lab..... | 1 |
| Total | <u>16</u> | Total | <u>16</u> |

Pre-Architecture

Advisers: Ali, Cannon, Jackson

Northwest Mississippi Community College offers the first year of the 5-year architecture program. The requirements for admission are as follows: 4 units of English, 3 units of social studies, 2 units of science (chemistry, and either biology or physics), 3 units of mathematics (algebra and geometry), and 3 units of elective subjects.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|--------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| HIS 1113, Western Civilization*..... | 3 | HIS 1123, Western Civilization*..... | 3 |
| ART 1313, Drawing I..... | 3 | ART 1323, Drawing II..... | 3 |
| PHY 2413, Physics I..... | 3 | PHY 2423, Physics II..... | 3 |
| PHY 2411, Physics I Lab..... | 1 | PHY 2421, Physics II Lab..... | 1 |
| MAT 1323, Trigonometry..... | 3 | Computer Programming..... | 3 |
| MAT 1313, College Algebra..... | 3 | MAT 1513, Business Calculus..... | 3 |
| Total | <u>19</u> | Total | <u>19</u> |

* Or HIS 2213 and HIS 2223

Pre-Engineering

Advisers: Alexander, Ali, Ferguson, Warren

The pre-engineering curriculum offers the basic two-year lower division of the four- or five-year curriculum of the senior college or university. Requirements for regular admission to the pre-engineering curriculum are as follows:

| | |
|--|-------------------|
| English..... | 4 credits |
| Social Studies and/or Foreign Language..... | 3 credits |
| Mathematics (Algebra, Geometry, Trigonometry)..... | 4 credits |
| Science (Chemistry and either Biology or Physics)..... | 2 credits |
| Electives..... | <u>2 credits</u> |
| | 15 credits |

Deficiencies in mathematics requirements may be made up the first semester of the freshman year or in the summer prior to the freshman year. It is advised that the student with these deficiencies choose to attend summer school in order not to interfere with the normal sequence of courses. The mathematics faculty utilizes the ACT scores and the high school record concerning proficiency in algebra and trigonometry. A math Enhanced ACT of 22 or more is required to begin the calculus sequence if the student does not have college credit in algebra. If the student does not have credit in high school trigonometry, he must take college trigonometry. The advisor assists the student in choosing humanities to meet the requirements of the selected engineering school. Upon successful completion of the curriculum, the student is awarded the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|-------------------------------------|----------------|--------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| MAT 1613, Calculus I..... | 3 | MAT 1623, Calculus II..... | 3 |
| Social Science*..... | 3 | SPT 1113, Public Speaking I..... | 3 |
| GRA 1113, Eng. Drawing..... | 3 | Social Science*..... | 3 |
| GRA 1110, Eng. Drawing Lab..... | 0 | CHE 1223, Gen. Chemistry II..... | 3 |
| CHE 1213, Gen. Chemistry I..... | 3 | CHE 1221, Gen. Chemistry II Lab..... | 1 |
| CHE 1211, Gen. Chemistry I Lab..... | 1 | | |
| Total | <u>16</u> | Total | <u>16</u> |

* It is advised that students take six hours in one subject.

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---|----------------|---|----------------|
| MAT 2613, Calculus III | 3 | MAT 2913, Differential Equations | 3 |
| *Computer Programming | 3 | EGR 2413, Engr. Mechanics | 3 |
| PHY 2513, Physics for Engr. I | 3 | MAT 2113, Lin. Alg./Elec..... | 3 |
| PHY 2511, Physics for Engr. I Lab | 1 | PHY 2523, Physics for Engr. II..... | 3 |
| Humanities or Fine Arts Elective | 3 | PHY 2521, Physics for Engr. II Lab..... | 1 |
| Elective | 3 | MAT 2623, Calculus IV | 3 |
| Total | 16 | Total | 16 |

Approved electives may be selected from a wide range of courses. Electives should be approved through the student's academic adviser, and should be selected with respect to needs and interests.

* Specific course depends upon senior institution's requirement.

Pre-Forensic Chemistry

Advisers: Aultman, Hamilton-Wims, Jones, H. Simmons, Sylvester

The University of Mississippi is currently the only university in the state offering a degree in forensic chemistry, a program designed for students who wish to participate in the scientific aspect of criminology and law enforcement. Due to the rigorous nature of the curriculum, students wishing to enroll in forensic chemistry are expected to demonstrate an aptitude for mathematics and science as demonstrated by a minimum score of 22 on the Enhanced Math section of the ACT. Students with Enhanced Math ACT scores between 19 and 22 may complete the curriculum by taking additional courses during the summer to overcome the math deficiency. In addition, the student must maintain a high quality of academic work at the community college level in order to be competitive for internships required following the junior year of study at the University of Mississippi. This degree is intended for students interested in the inorganic and chemical aspects of forensic science. Students interested in the biological aspects, including DNA analysis, may consider a degree in Pre-Clinical Laboratory Sciences. A graduate of the following two-year curriculum is entitled to the Associate of Arts degree.

FRESHMAN YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|--------------------------------------|----------------|--------------------------------------|----------------|
| ENG 1113, Eng. Comp. I..... | 3 | ENG 1123, Eng. Comp. II..... | 3 |
| CHE 1213, Gen. Chemistry I | 3 | BIO 1143, Gen. Biology II | 3 |
| CHE 1211, Gen. Chemistry I Lab | 1 | BIO 1141, Gen. Biology II Lab..... | 1 |
| BIO 1133, Gen. Biology I | 3 | MAT 1623, Calculus II | 3 |
| BIO 1131, Gen. Biology I Lab | 1 | CHE 1223, Gen. Chemistry II | 3 |
| MAT 1613, Calculus I..... | 3 | CHE 1221, Gen. Chemistry II Lab..... | 1 |
| Foreign Language..... | 3 | Foreign Language..... | 3 |
| Total | 17 | Total | 17 |

SOPHOMORE YEAR

| First Semester | Semester Hours | Second Semester | Semester Hours |
|---------------------------------------|----------------|--|----------------|
| CHE 2424, Organic Chemistry I | 4 | CHE 2434, Organic Chemistry II | 4 |
| CHE 2420, Organic Chemistry I Lab .0 | | CHE 2430, Organic Chemistry II Lab.0 | |
| ENG 2323, English Lit. I. | 3 | PSY 1513, Gen. Psychology..... | 3 |
| PHY 2513, Engineering Physics I | 3 | PHY 2523, Engineering Physics II | 3 |
| PHY 2511, Eng. Physics I Lab..... | 1 | PHY 2521, Eng. Physics II Lab | 1 |
| Foreign Language..... | 3 | CSC 1113, Computer Concepts | 3 |
| SPT 1113, Public Speaking I | 3 | Foreign Language..... | 3 |
| Total | 17 | Total | 17 |