

### *Manufacturing Systems:*

Applied Statistics  
Operations Management  
Applied Computer Integrated Manufacturing  
Modern Manufacturing Concepts

### *Transportation Systems and Technologies:*

This area of emphasis is offered in cooperation with the Nick J. Rahall II Appalachian Transportation Institute.

Intelligent Transport Systems - Three courses, selected with Technology Management Advisor approval. Possible choices include: Traffic Engineering, Safety in Transportation, Human Factors in Accident Prevention, Traffic Safety Management, Urban and Regional Planning, Engineering Law, Operations Research I, Operations Research II, Transportation Systems, Geographic Information Systems. Some of these courses have prerequisites; students taking the courses must meet prerequisites.

The capstone technology management project (TM 699) will be work-related, oriented toward the area of emphasis, and jointly directed by a workplace supervisor and an academic advisor.

## **INFORMATION SYSTEMS (IS)** **(See Information Technology and Engineering [CITE])**

### **JOURNALISM**

The W. Page Pitt School of Journalism and Mass Communications offers a flexible program designed to accommodate persons with or without an undergraduate degree in journalism and mass communications or professional media experience. Career interests should include one or more of the following: advertising, broadcast journalism, online journalism, print journalism, public relations, radio-television, and journalism education. Admission requirements for the M.A.J. degree are as follows:

1. Applicants must score a minimum of 1200 on the three sections of the GRE. Because the new writing section to be introduced in the fall of 2002 is being scored differently from the other two sections, a point conversion system will be used to make the 0-6 score on the writing exam carry the same weight as the two sections that carry a maximum score of 800. For example, a 5.0 on the writing section will convert to 667, a 4.5 will convert to 600, and a 4.0 will convert to 533. Each half point on the 0-6 scale represents 33 1/3 points on the 800-point scale.
2. International student applicants must have a minimum score of 525 on the paper Test of English as a Foreign Language (TOEFL) or 195 on the computer-based test.

During the first term of residence, students must plan with the graduate coordinator a detailed program of courses and discuss other requirements for the Master of Arts in Journalism degree. Students are responsible for learning and for meeting all requirements, guidelines and deadlines included in the Graduate Catalog. Students are required to complete EDF 517 (not required if student completed an acceptable statistics course before enrolling in the master's program); Journalism 601, Theory of Mass Communications, and Journalism 602, Mass Communications Research and Methodology. Some courses are not required of recent journalism and mass communications graduates who have taken the courses, but master's degree candidates who are not required to repeat these courses still must prepare themselves to pass the law, history, and ethics sections of the comprehensive examination. Otherwise, the other required courses are JMC 502, Law of Mass Communication; JMC 504, History of American Journalism & Mass Communications; and JMC 540, Mass Communications Ethics. International students are not required to take JMC 504.

The remainder of each student's program is determined in consultation with and approval from the graduate coordinator. Professional track students must complete a minimum of 36 graduate hours (plus any undergraduate courses deemed by the graduate coordinator to be necessary) and the comprehensive examination.

Thesis track students must complete a minimum of 27 graduate hours (plus any undergraduate courses deemed necessary by the graduate coordinator), a five-credit-hour thesis, and the comprehensive examination.

A minor consisting of a minimum of six hours in one subject area may be approved by the graduate coordinator. Students who enter the master's program without undergraduate preparation in

journalism and mass communications and also without any relevant professional experience may be permitted by the graduate coordinator to take all of their coursework in journalism and mass communications.

A comprehensive written examination is required. The examination is not based exclusively on the specific courses completed but affords the student an opportunity to demonstrate comprehensive knowledge of the major subject. The five-part examination covers mass communications theory, research, law, ethics, and journalism and mass communications history. International students may substitute another area of concentration (approved by the graduate coordinator) for history.

### LATIN (LAT)

The Department of Classics offers minor fields of study in Latin and in Classics, which are appropriate for graduate programs in English and in history. In addition, the department offers a certificate program in Latin, providing a convenient way for individuals to add a consistent study of the Latin language and literature to their undergraduate and graduate credentials. The program requires 15 hours, 12 of which consist of 500-level Latin courses and 3 of which consist of CL 536, Roman Civilization. Currently, all credits can be used toward teacher certification and toward the M.A.T. at Marshall.

### LEADERSHIP STUDIES (LS)

The Master of Arts degree in Leadership Studies offers areas of emphasis in Educational Leadership, Justice Leadership, Higher Education, and Leadership Specialist. The Education Specialist program offers an Ed.S. in Education Leadership with an area of emphasis in Higher Education or PreK-12 Administration. The doctoral program offers an Ed.D. in Educational Leadership with areas of specialization in Public School Administration and Higher Education Administration.

Leadership Studies also offers professional licensure programs for School Principal, Social Services and Attendance, Supervisor of Instruction, and School Superintendent.

### MASTER OF ARTS DEGREE

#### Admission Requirements

Each candidate must meet all admission requirements as a degree student. Scores from the Graduate Record Examination, the Miller Analogies Test, or a previous master's degree from an accredited institution must be on file at the time of admission. Students must score at least a 40 (tested prior to October 2004) or at least a 392 (after October, 2004) on the Miller Analogies Test. Students who take the Graduate Record Examination must have a combined score of 800 (verbal and quantitative). A student seeking licensure as a school principal must hold a professional teaching licensure and have a minimum of one-year of teaching experience at the time of admission to the program. All degree students follow a planned program of student and must maintain a cumulative Grade Point Average (GPA) of 3.0.

#### Education Leadership

The Leadership Studies M.A. degree offers an area of emphasis in Education Leadership including Professional Administrative Licensure as a school principal. The Master of Arts degree in Leadership Studies is a portfolio-based program which requires a minimum of 39 semester hours. Courses may not be used if they are more than seven years old at the time of graduation. Students must complete all field-based experiences for courses that are transferred from other accredited institutions or programs. Leadership Studies 500 must be taken in the student's first semester. All persons seeking professional licensure as a school principal are required to pass the PRAXIS II (0410) Educational Leadership Administration and Supervision Test. West Virginia licensure also requires the Evaluation Leadership Institution offered by the Professional Development Center.

#### Program of Studies

LS 500, LS 510, LS 515, LS 520, LS 530, LS 550,  
LS 600, LS 606, LS 610, LS 612, LS 630, LS 675, LS 685  
TOTAL..... 39 hrs.

#### Justice Leadership

The Leadership Studies degree offers an area of emphasis in Justice Leadership.

#### Degree Requirements

All degree students follow a planned program of study and must maintain a cumulative Grade Point Average (GPA) of 3.0. Upon completion of required courses, master's degree students must participate in an externship experiences which synthesizes the content of required courses in their program of studies.

A Master of Arts degree in Leadership Studies with an area of emphasis in Justice Leadership requires a minimum of 36 semester hours. A core of 15 hours in Leadership Studies is required. A block of

Counseling courses consisting of 9 hours relating to the student's needs is also required. An elective block of 12 hours is individualized to meet the career needs and goals of the student.

*Program of Studies*

LS 532, LS 625, LS 645, LS 615, LS 655 .....	15 hrs.
Select three from COUN 555, COUN 556, COUN 574, COUN 611, COUN 616, COUN 641 .....	9 hrs.
Select twelve hours of electives .....	12 hrs.
TOTAL .....	36 hrs.

**Leadership Specialist**

This program is ideally suited to the needs of students who wish to gain leadership skills and knowledge but do not wish to focus narrowly in one area.

*Program of Studies*

LS 532, LS 625, LS 645, LS 615 .....	12 hrs.
Select four from EDF 615, EDF 616, EDF 619, EDF 621 CIEC 582, COUN 555, COUN 574, COUN 602 .....	12 hrs.
LS 655 plus 9 hours of electives .....	12 hrs.
TOTAL .....	36 hrs.

**Higher Education**

This program is ideally suited for persons working in Student Personnel, Admissions, Registrar, Continuing Education, Recruitment, Enrollment Management, Academic Affairs, and Advising.

*Program of Studies*

EDF 621, LS 532, LS 615, LS 625, LS 616, LS 617, LS 618 LS 626, LS 646, LS 647, LS 680, LS 655 .....	36 hrs.
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**EDUCATION SPECIALIST DEGREE (Ed.S.)**

**Degree Requirements**

Education Specialist degree (Ed.S.) students follow a planned program of study and must maintain a cumulative Grade Point Average (GPA) of 3.0. Two specializations are offered: Higher Education Administration and PreK-12 Administration.

*Program of Studies*

LS 703, LS 710, LS 720 or LS 725, LS 740 or LS 745, LS 760, EDF 625 or EDF 626, EDF 711 or EDF 618, CI 677 or HUM 604, EDF 679 .....	30 hrs
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**LICENSURE PROGRAMS**

**Leadership Studies**

**Principal Licensure and Graduate Certificate Program**

This program is designed to serve the needs of students who have completed a master's degree in education. Students completing the program qualify for professional administrative licensure as a K-12 school principal in West Virginia, Ohio and Kentucky. Those seeking Professional Administrative Licensure as a school principal are required to pass the PRAXIS II (0410) Educational Leadership Administration and Supervision Test. West Virginia students are also required to take the Evaluation Leadership Institution offered by the Professional Development Center.

*Program of Studies*

LS 510, LS 600, LS 610, LS 612, LS 675, LS 660 .....	18 hrs
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**Social Services and Attendance Licensure and Graduate Certification Program**

This program is designed to provide a concentrated program leading to a license for Social Service and Attendance Personnel. The program is designed primarily for educational personnel who hold a valid license, or for social workers who hold at least a bachelor's degree.

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*Program of Studies*

COUN 670 or COUN 673, LS 693, LS 691, LS 692

TOTAL ..... 12 hrs

**Supervisor of Instruction Licensure**

Students completing the Master of Arts Degree in Leadership Studies may take LS 661 to complete the licensure requirements for Supervisor of Instruction PreK-Adult.

**DOCTORAL PROGRAM (Ed.D.)**

This program is designed to offer eligible students in Southern West Virginia and neighboring states the opportunity to earn the Doctor of Education (Ed.D.) degree in Educational Leadership (public school administration or higher education administration). The majority of coursework and other requirements will be met on the South Charleston campus, although some coursework is available on the Huntington campus. The mission of the doctoral program in education is to prepare practitioners to be reflective, ethical educators and researchers who contribute to the field of education. Program faculty are committed to creating a community of scholars through mentoring, engaging in collaborative research, and maintaining a focus on sound educational practices.

**Acceptance into the Program**

The decision to admit an applicant to doctoral work constitutes a significant commitment from the faculty of the department in the form of advising, teaching, chairing or serving on the student’s committee, preparing and evaluating examinations, and guiding the successful completion of the dissertation. The applicant should note that the decision to admit students to the doctoral program is a collective judgment of the program faculty and represents their determination of the likelihood of the candidate to succeed in all major phases of the degree program. These judgments take into account the applicant’s professional experiences, communication and thinking skills, and other relevant capabilities. Thus, an applicant is not automatically admitted on the basis of meeting only the minimum criteria. An applicant must have earned at least a master’s degree from an accredited institution in Educational Leadership, Curriculum and Instruction, or a related field. Applicants for Public School Administration must have an earned Principal’s Licensure. Details of all admission requirements and other pertinent information can be found at [www.marshall.edu/gsped/edd](http://www.marshall.edu/gsped/edd).

**MATHEMATICS (MTH)**

Course offerings in mathematics may be used to satisfy major requirements in three programs of the Graduate College, or to satisfy minor requirements in all programs.

The Master of Arts degree with a major in mathematics is offered by the Department of Mathematics. An area of emphasis in mathematics is offered in the Master of Arts (Secondary Education) degree. This degree program, offered by the Division of Teacher Education, is intended to meet the needs of public school teachers (1-12).

**Master of Arts Degree (Mathematics)**

The Mathematics Department offers an M.A. in Mathematics which can prepare students for positions in industry, government agencies, or business, for further graduate study at the doctoral level, and for teaching positions at the secondary or two-year college level.

To be admitted to the program, students must complete the Graduate Record Exam (GRE) and have the score sent to Marshall University. GRE scores are considered when awarding graduate assistantships and during initial advising.

A minimum of 36 hours is required; if the student decides to write a thesis, the minimum is 32 hours, including not more than 6 hours for the thesis. A minor of 6 hours in any related area is permitted, subject to approval by the student’s advisor and concurrence of the Math Department Chairperson. A final (oral) comprehensive exam is administered by a committee of 3-5 graduate faculty chosen by the student and his/her advisor.

The following are specific requirements for the program:

- (1) at least 18 hours of 600 level courses offered by the Math Department; (2) at least 12 more hours of 500 or higher level courses offered by the Math Department, including MTH 528, 546, and 550 (or equivalents); (3) at least 6 more hours of 500 or higher level courses selected from another department at Marshall offering a graduate program or from the Math Department.

## MODERN LANGUAGES

At present the Department of Modern Languages does not offer a graduate major. Courses in French and Spanish are taken as minors by students in other departments, such as History, Journalism, and English. Courses in Modern Languages are also taken by teachers in service who wish to enhance their competence in language and literature.

In cooperation with the Division of Teacher Education, the Department of Modern Languages offers a program leading to the master's degree in secondary education and Spanish.

## MUSIC (MUS)

### Mission Statement

The mission of the Department of Music is to prepare students for careers in performance, education, and other music-related fields who will make a positive impact on their artistic discipline and on schools and communities. Additionally, the Department will provide enriching experiences for those who will continue their musical activities as an avocation; and will cultivate within the region an increased awareness of the educational, cultural, and aesthetic aspects of music.

In fulfilling its mission, the department is committed to the following goals:

- To provide a nurturing environment for musical, academic and personal growth.
- To educate students to think critically, work creatively, communicate effectively, and become technologically literate.
- To function as a visible, responsible and responsive student-centered department dedicated to academic and performance excellence.
- To maintain a faculty of musicians/teachers who, through dedication to excellence, sound pedagogy and effective communication skills, present models that inspire students to achieve their full potential.
- To meet educational, research, and service needs of the region through collaboration with academic and technical institutions, businesses, government agencies, and cultural organizations.
- To contribute to the cultural life of the University and community by providing concerts, recitals, festivals, joint musical ventures and other services.
- To provide leadership within the University and the region in all matters pertaining to music.

To be admitted to the graduate program in music, a student must have received a bachelor's degree from an accredited institution with a major in music or the equivalent. A conference and audition with the Chairman of the Department of Music and with members of the department's graduate faculty are required as a part of the admission procedure. At the conference the conditions of admission are defined. The applicant may submit an audition tape if it is inconvenient to appear on campus.

Majors in all music programs are given an examination in basic skills and capacities in music not later than the time of completion of twelve semester hours of graduate work and before being admitted to candidacy. As part of these requirements the basic departmental piano proficiency examination must be passed. In addition, a placement examination in Music History (including Styles) and Music Theory must be taken to determine if deficiencies in these areas exist. Applicants must take these examinations prior to registering for graduate courses in music.

All graduate students, regardless of area of emphasis, must complete both a written and oral comprehensive examination. Requirements for performance levels in applied music as well as more detailed information on requisites in the individual options can be found in the Department of Music Handbook.

The Department of Music offers three areas of emphasis within the Master of Arts degree: 1) Applied Music Performance; 2) Music History and Literature; and 3) Music Theory and Composition. Students may select conducting under the Applied Music option.

The program requires 32 hours (including thesis). This program must include at least 26 hours in major, cognate, and elective areas of music. Normally not more than 3-4 hours may be earned by a thesis, which may be a written report, graduate recital, or musical composition of merit.

The degree Master of Arts in Secondary Education offers an area of emphasis in a content field which is available to students already possessing a music degree.

The degree Master of Arts in Teaching leading to K-12 certification in music is appropriate for students who have earned a bachelor's degree in music but are not certified in music education. Students wishing to pursue this degree should consult that section in this catalog and should contact the College of Education and Human Services and the Department of Music for specific entrance and curricular requirements.

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All full-time graduate students are required to participate in a music ensemble during the regular academic year as recommended by their major advisor. No graduate credit is given for this participation.

**1. APPLIED MUSIC PERFORMANCE**

	<i>Hours</i>
Minimum requirements .....	32
1. Major Area .....	11
Applied music in Voice or Instrument, Music 681	
2. Cognate Studies in Music .....	11
Music 621, 640A, One period course in Music History (chosen from one of the following): Music 526, 650, 651, 652, 653, 654, 655, one Music Literature course in major area.	
3. Music Electives .....	4
Pedagogy, Literature, Applied, Music Education, Theory, Problem Report or Special Topics.	
4. Minor Field .....	6
(Voice applied majors should select the study of foreign language. Instrumental applied should select from Literature, Physics [Acoustics], Mathematics, History or other allied areas.)	

**2. MUSIC HISTORY AND LITERATURE**

	<i>Hours</i>
Minimum requirements .....	32
1. Major Area .....	12
Four period courses in Music History (chosen from the following): Music 526, 650, 651, 652, 653, 654, 655.	
Music 681 .....	3
2. Cognate Studies in Music .....	9
Music 621, 640A, Music Theory Elective	
3. Music Electives .....	2
(To be determined in consultation between the student and his advisor)	
4. Minor Field .....	6
(Recommend study of French or German for reading knowledge)	

**3. MUSIC THEORY AND COMPOSITION**

	<i>Hours</i>
Minimum requirements .....	32
1. Major Area .....	18
Music 640A, 640B, Music 641, Music 645A, 645B, Music 646 or 648, Music 681	
2. Cognate Studies in Music .....	6
Music 621, 655, One music literature course in any major area	
3. Music Electives .....	2
(To be determined in consultation between the student and his advisor)	
4. Minor Field .....	6
(Departmental recommendations include areas of Literature, Mathematics, Physics or Philosophy)	

**4. M.A. in Secondary Education**

**NURSING (NUR)**

The College of Health Professions currently offers the Master of Science in Nursing degree with the area of emphasis in: Family Nurse Practitioner, Family Nurse Practitioner with School Nurse Practitioner Specialization, Nursing Administration, or Nursing Education. The College of Health Professions also offers Post Master’s Certificates in Family Nurse Practitioner, Nursing Administration, and Nursing Education.

## MASTER OF SCIENCE IN NURSING

The purpose of the Master of Science in Nursing program is to prepare graduates for advanced practice nursing in a variety of practice settings, particularly in rural and/or underserved communities. The program also prepares nurses for leadership roles in the administration of clinical services in a variety of community based or acute care provider agencies.

Coursework in the Master of Science in Nursing program incorporates the classroom, laboratory, and clinical modes of instruction. All nursing students have experiences with rural and/or underserved populations as part of the state initiatives for primary health care. The Master of Science in Nursing program requires the completion of a minimum of 42 credit hours for the family nurse practitioner area of emphasis, and 36 credit hours for the nursing administration and nursing education areas of emphasis. Upon successful completion of the MSN-FNP program, and depending on area of emphasis, graduates are eligible to take the American Academy of Nurse Practitioners (AANP) Certification Examination for Adult and Family Nurse Practitioners and/or the American Nurses' Credentialing Center (ANCC) Certification for Family Nurse Practitioners. Graduates of the Post Master's Certificate in Family Nurse Practitioner program are eligible to take the AANP Certification, for Adult and Family Nurse Practitioners and/or the ANCC Certification Examination for Family Nurse Practitioners. Graduates of the MSN-NUR ADM program are eligible to take the ANCC Certification Examination for Nursing Administration or Nursing Administration Advanced, depending on their experience and stage of professional development. The Master of Science in Nursing program is accredited by the National League for Nursing Accrediting Commission, 61 Broadway, 33rd Floor, New York, NY 10006. Phone (212) 363-5555, ext. 153, FAX (212) 989-8264. In addition, the NLNAC is a source for information regarding tuition, fees, and length of the program.

The program purpose is achieved through three program components. The core component (12 credits) focuses on knowledge and skills related to nursing theory, advanced nursing research, leadership, and health care issues.

The area of emphasis component (18 or 24 credits) allows the student to specialize in a particular area. The family nurse practitioner area of emphasis (24 credits) provides students with the opportunity to develop competency as a family nurse practitioner. Students in this area of emphasis may also opt to specialize as school nurse practitioners. The nursing administration area of emphasis (18 credits) provides students with the opportunity to acquire knowledge and skills necessary to administer/manage rural/underserved primary care agencies, home health care, and other health care agencies or units. The Nursing Education area of emphasis (18 credits) gives the student the opportunity to gain the knowledge and skills necessary to be a nurse educator.

The elective component (6 credits) allows students to choose one of four options: 1) thesis, 2) role development courses in teaching, 3) school nurse practitioner courses, or 4) elective courses related to the student's area of interest.

The MSN-FNP program can be completed in two academic years of full-time study or over a period not to exceed 7 calendar years from date of first class enrollment. The MSN-NUR ADM program can be completed in one calendar year of full-time study or over a period not to exceed 7 calendar years from date of first class enrollment. The MSN NUR-NE programs can be completed in 4 semesters of study. Graduate nursing courses are open only to those students admitted to the nursing program.

### Course Requirements: Family Nurse Practitioner

Core Component Courses (12 credits)	<i>Hours</i>
NUR 602 Theoretical Foundations in Nursing .....	3
NUR 604 Leadership in Nursing .....	3
NUR 606 Advanced Nursing Research .....	3
NUR 608 Issues in Health Care .....	3
Area of Emphasis Component Courses (24 credits)	<i>Hours</i>
NUR 622 Advanced Family Nursing I.....	5
NUR 624 Advanced Family Nursing II .....	5
NUR 626 Advanced Family Nursing III .....	5
NUR 695 Internship: Advanced Family Nursing .....	6
NUR 662 Pharmacology for Nurses in Advanced Practice .....	3
Elective Component Courses (Select 6 credits from the following offerings)	<i>Hours</i>
NUR 681 Thesis .....	6
NUR 616 Curriculum Development in Nursing.....	3
NUR 618 Teaching in Nursing .....	3
NUR 642 Organizational Dynamics in Nursing .....	3

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NUR 644 Financial Strategies in Nursing Administration .....	3
or Other Electives .....	6
<b>TOTAL</b> .....	<b>42</b>

### Course Requirements: Family Nurse Practitioner with School Nurse Practitioner Specialization

Core Component Courses (12 credits)	<i>Hours</i>
NUR 602 Theoretical Foundations in Nursing .....	3
NUR 604 Leadership in Nursing .....	3
NUR 606 Advanced Nursing Research .....	3
NUR 608 Issues in Health Care .....	3
Area of Emphasis Component Courses (24 credits)	
NUR 622 Advanced Family Nursing I .....	5
NUR 624 Advanced Family Nursing II .....	5
NUR 626 Advanced Family Nursing III .....	5
NUR 695 Internship: Advanced Family Nursing .....	6
NUR 662 Pharmacology for Nurses in Advanced Practice .....	3
Elective Component Courses (6 credits)	
NUR 632 School Nurse Practitioner Role in School Health I .....	3
NUR 634 School Nurse Practitioner Role in School Health II .....	3
<b>TOTAL</b> .....	<b>42</b>

### Course Requirements: Nursing Administration

Core Component Courses (12 credits)	<i>Hours</i>
NUR 602 Theoretical Foundations in Nursing .....	3
NUR 604 Leadership in Nursing .....	3
NUR 606 Advanced Nursing Research .....	3
NUR 608 Issues in Health Care .....	3
Area of Emphasis Component Courses (18 credits)	
NUR 642 Organizational Dynamics in Nursing .....	3
NUR 644 Financial Strategies in Nursing Administration .....	3
NUR 646 Nursing Management in Health Care Settings I .....	6
NUR 648 Nursing Management in Health Care Settings II .....	6
Elective Component Courses (Select 6 credits from the following offerings)	
NUR 681 Thesis .....	6
NUR 616 Curriculum Development in Nursing .....	3
NUR 618 Teaching in Nursing .....	3
NUR 632 School Nurse Practitioner Role in School Health I .....	3
NUR 634 School Nurse Practitioner Role in School Health II .....	3
or Other Electives .....	6
<b>TOTAL</b> .....	<b>36</b>

### Course Requirements: Nursing Education

Core Component Courses (12 credits)	<i>Hours</i>
NUR 602, Theoretical Foundations in Nursing .....	3
NUR 604, Nursing Leadership in Health Care Settings .....	3
NUR 606, Advanced Nursing Research .....	3
NUR 608, Issues in Health Care .....	3
Area of Concentration Component Courses ( credits)	<i>Hours</i>
NUR 616, Curriculum Development in Nursing .....	3
NUR 618, Teaching in Nursing .....	3

NUR 619, Practicum: Teaching in Nursing .....	3
EDF 535, Tests and Measurements .....	3
CIEC 600, Computing and Instructional Design .....	3
EDF 619, Educational Psychology .....	3
Elective Course Options .....	<i>Hours</i>
NUR 681, Thesis .....	6
OR	
Electives .....	6

### **Admission Requirements for MSN Applicants**

All applicants must meet the admission requirements of the Marshall University Graduate College. The nursing program is available to a limited number of qualified applicants. Admission is determined on a competitive basis. To be eligible for regular admission to the program, applicants must meet the following admission requirements:

1. Baccalaureate degree with a major in nursing from an NLNAC accredited program.
2. Undergraduate course credit for 3 semester hours of basic statistics and 3 semester hours of basic research.
3. Scholastic achievement as evidenced by an overall undergraduate/graduate Grade Point Average and scores on the Graduate Record Examination as follows:  
*Before October 2002:* GPA 2.5 (4.0=A) and GRE 1500 (total of 3 subtests) *or* GPA 3.0 (4.0=A) and GRE 1200 (total of 3 subtests)  
*After October 2002:* GPA 2.5 (4.0=A) and GRE 800 (total of 2 subtests) and Analytical Writing score of 3 or greater  
*Note:* the GRE requirement is waived for applicants with an undergraduate GPA of 3.25 or higher.
4. Evidence of a current unincumbered license as a registered nurse in a U.S. jurisdiction.
5. It is strongly recommended that all MSN students have two years of full-time nursing practice prior to application to the program. Those who do not meet this criterion will be considered on an individual basis.

An applicant who has a baccalaureate degree in nursing and a master's degree in any field is eligible for regular admission.

Registered nurse applicants with a Master of Science in Nursing degree from an NLNAC accredited program are eligible for regular admission to the MSN program to take any portion of the MSN program, provided space is available.

An applicant may be considered for provisional admission if the:

1. Baccalaureate degree does not meet the criteria for regular admission.
2. Undergraduate/graduate Grade Point Average and Graduate Record Examination (taken before October 2002) fall within the following range:  
 GPA 2.25 (4.0=A) and GRE 1500 (total of 3 subtests) *or*  
 GPA 2.5 (4.0=A) and GRE 1400 (total of 3 subtests) *or*  
 GPA 2.75 (4.0=A) and GRE 1300 (total of 3 subtests) *or*  
 GPA 3.5 (4.0=A) and GRE 1100 (total of 3 subtests)  
*For GRE taken after October 2002:*  
 GPA 2.25 (4.0=A) and GRE 1000 (total of 2 subtests) and an Analytical Writing score of 3 or higher.  
 GPA 2.5 (4.0=A) and GRE 950 (total of 2 subtests) and an Analytical Writing score of 3 or higher  
 GPA 2.75 (4.0=A) and GRE 850 (total of 2 subtests) and an Analytical Writing score of 3 or higher  
 GPA 3.5 (4.0=A) and GRE 750 (total of 2 subtests) and an Analytical Writing score of 3 or higher

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3. Prerequisite coursework or records are incomplete. If a student is accepted for provisional admission, the terms for reclassification as a regular student will be stated in the letter of admission. The provision(s) and the time frame will be stated in the letter of admission. Under no circumstances will the provisional terms be extended beyond the 12th credit hour. The student must maintain a minimum Grade Point Average of 3.0 in all graduate coursework taken during the provisional period. The student who does not meet the provision(s) as stated will be dropped from the program.

### Admission Process for MSN Applicants

To apply for admission to the program, the applicant must submit a complete application to the Marshall University Admissions Office by March 1 for the Family Nurse Practitioner area of emphasis and July 1 for the nursing administration area of emphasis. Application must include:

1. Graduate application.
2. Official transcripts of all undergraduate and graduate coursework. These must be sent directly from the college/university to the Admissions Office.
3. Graduate Record Examination scores. Information regarding this examination may be obtained from the Graduate College or the Admissions Office.
4. Verification of a current unencumbered license as a registered nurse in a U.S. jurisdiction. Verification form may be obtained from the Graduate Nursing Office.

In addition, applicants must submit application and resume to the Graduate Nursing Office on form provided by the College of Health Professions.

### POST MASTER'S CERTIFICATE IN FAMILY NURSE PRACTITIONER PROGRAM

The purpose of the Post Master's Certificate in Family Nurse Practitioner program is to prepare nurses, who have a Master of Science in Nursing degree, as family nurse practitioners. The graduates of this program are eligible to take the American Nurses' Credentialing Center Certification Examination for Family Nurse Practitioners.

#### Course Requirements: Post Master's Certificate in Family Nurse Practitioner Program

NUR 622 Advanced Family Nursing I.....	5
NUR 624 Advanced Family Nursing II .....	5
NUR 626 Advanced Family Nursing III .....	5
NUR 695 Internship: Advanced Family Nursing .....	6
NUR 662 Pharmacology for Nurses in Advanced Practice .....	3
<b>TOTAL</b> .....	<b>24</b>

Additional courses may be taken after consultation with the graduate faculty advisor for family nurse practitioners.

### POST MASTER'S CERTIFICATE IN NURSING ADMINISTRATION PROGRAM

The purpose of the Post Master's Certificate in Nursing Administration program is to prepare nurses who have Master of Science in Nursing degrees as nurse administrators. The graduates of this program are eligible to take the American Nurses' Credentialing Center Certification Examination for Nursing Administration or Nursing Administration Advanced.

#### Course Requirements: Post Master's Certificate in Nursing Administration Program

NUR 642 Organizational Dynamics .....	3
NUR 644 Financial Strategies .....	3
NUR 646 Nursing Management in Healthcare Settings I .....	6
NUR 648 Nursing Management in Healthcare Settings II .....	6
<b>TOTAL</b> .....	<b>18</b>

Additional courses may be taken after consultation with the graduate faculty advisor for nursing administration.

### POST MASTER'S CERTIFICATE IN NURSING EDUCATION PROGRAM

The purpose of the Post Master's Certificate in Nursing Education program is to prepare nurses who have Master of Science in Nursing degrees as nurse educators.

### Course Requirements: Post Master's Certificate in Nursing Education Program

NUR 616 Curriculum Development in Nursing .....	3
NUR 618 Teaching in Nursing .....	3
NUR 619 Practicum: Teaching in Nursing .....	3
EDF 535 Tests and Measurements .....	3
CIEC 600 Computing and Instructional Design .....	3
EDF 619 Educational Psychology .....	3
<b>TOTAL</b> .....	<b>18</b>

Additional courses may be taken after consultation with the graduate faculty advisor for nursing education.

### Admission Requirements for a Post Master's Certificate Program in Family Nurse Practitioner, Nursing Administration, or Nursing Education

All applicants must meet the admission requirements of the Marshall University Graduate College. The Post Master's Certificate program is available to a limited number of qualified applicants. Admission is determined on a competitive basis. Applicants must meet the following minimum requirements.

1. Master of Science in Nursing from an NLNAC accredited program. Applicants who are graduates of programs outside the NLNAC jurisdiction will be evaluated on an individual basis.
2. Evidence of a current unincumbered license as a registered nurse in a U.S. jurisdiction.

### Admission Process for Post Master's Certificate program in Family Nurse Practitioner, Nursing Administration, or Nursing Education

To apply for admission to the Post Master's Certificate program, the applicant must submit the following to the Marshall University Admissions Office.

1. Graduate application.
2. Official transcript(s) of graduate coursework. Transcript(s) must be sent directly from the college/university to the Admissions Office.
3. Verification of a current unincumbered license as a registered nurse in a U.S. jurisdiction. Verification form may be obtained from the Graduate Nursing Office.

In addition, applicants must submit application and resume to the Graduate Nursing Office on form provided by the College of Health Professions.

### POLICIES

Students in both the MSN and Post Master's Certificate programs are governed by policies stated in the **Marshall University Graduate College Catalog**. Policies specific to the nursing programs are as follows:  
Academic Policies:

1. The College of Health Professions reserves the right to require withdrawal from nursing of any student whose health, academic record, clinical performance, or behavior in nursing is judged unsatisfactory.
2. Students who earn more than 6 hours of C may be subject to dismissal from the program.
3. Students may repeat one required course in which they have earned less than a C.
4. Students whose Grade Point Average falls below 3.0 may not progress in nursing courses with a clinical component until a grade point average of 3.0 is attained, and only when space is available.
5. No more than 12 course hours may be accepted as transfer credit.
6. Only 1 re-examination of the comprehensive examination may be taken.
7. Students enrolled in the Post Master's Certificate program must complete the program with a 3.0 Grade Point Average or better on a 4.0 scale.

### Other Policies

1. Each student must submit a satisfactory health record prior to registering for his/her first nursing course with a clinical component.
2. Each student is required to have an annual PPD screening test for Tuberculosis.
3. Each student must show evidence of the following prior to registering for any nursing course with a clinical component: Current unincumbered professional nurse licensure in Ohio and West Virginia (both state licenses are required).

(continued)

4. Current certification in cardiopulmonary resuscitation.
5. Students are responsible for own transportation to and from all clinical assignments.
6. Students are required to be in professional attire for all clinical practica and to wear a name pin. In addition, selected clinical agencies require a white lab coat.
7. For additional policies, see Graduate Nursing Student Handbook.

### **PHILOSOPHY (PHL)**

The Philosophy Department offers a minor at the graduate level.

### **PHYSICAL EDUCATION (See Health and Physical Education)**

### **PHYSICAL SCIENCE (PS) (Physics and Physical Science Department)**

The Master of Science in Physical Science, offered in cooperation with the Departments of Chemistry, Geology, Integrated Science and Technology, and Mathematics, is intended to provide the opportunity for students with diverse qualifications to improve the depth and breadth of their knowledge in the Physical Sciences. The degree offered is a M.S. in Physical Science, with an Area of Emphasis in one of the following: Chemistry, Geobiophysical Modeling, Geology, Mathematics, Physics.

The area of emphasis in Geobiophysical Modeling is interdisciplinary, with core courses in Remote Sensing and GIS Modeling. Thereafter, students may chose from areas of concentration in Aquatic, Terrestrial or Biophysical Systems and Models.

Programs will be designed to meet individual needs. Students must consult with their advisor for specific requirements. The writing of a thesis is required in the Geology area of emphasis (see section on geology), but is optional in the other areas. If the thesis option is chosen, a minimum of 32 hours is required, including not more than 6 hours for the thesis. Without the thesis, 36 hours are required.

NOTE: These are general guidelines. Individual departments may have their own requirements.

Minimum requirements .....	<i>Hours</i> 32-36
Area of Emphasis (Chemistry, Geobiophysical Modeling, Geology, Mathematics, Physics) .....	12-18
Minor area (Chemistry, Geobiophysical Modeling, Geology, Mathematics, Physics) .....	6
Electives .....	12-18

The Department of Physics and Physical Science also offers minor fields in physical science and in physics.

### **POLITICAL SCIENCE (PSC)**

The Master of Arts in political science provides a wide range of opportunities for students of various interests or goals. The M.A. program affords both concentration and flexibility so that majors may acquire in-depth knowledge in selected aspects of politics as well as appropriate skills in political analysis. Majors may arrange a program to prepare themselves for such endeavors as law school, further graduate work, teaching, or government service. The curriculum also serves interested students in other majors, such as business, education, economics, English, geography, history, journalism, psychology, social studies or sociology, who wish to enhance their backgrounds by taking a minor or specific coursework.

Completion of the master's degree in political science entails fulfillment of both the general Graduate College requirements, and the specific departmental requirements listed below. A major may select either the thesis, or coursework only option. Once an option has been selected, any change in the option must be approved by the department.

The graduate curriculum in political science is divided into six fields of specialization. The student who elects to write a thesis must take at least nine course hours in one of these, and the topic must be within the field. Under the non-thesis options, at least twelve course hours must be taken within a single field.

Under the non-thesis options the candidate must take a comprehensive written examination. All candidates must take a general oral examination.

**General Departmental Requirements**

Admission to the graduate program requires the GRE Exam and completion of 12 hours of undergraduate political science coursework with a GPA of 2.5. Each student works closely with a graduate advisor throughout his or her program. Before completion of 18 hours of graduate coursework with at least a 3.0 GPA, the student must file a Plan of Study with the Graduate College. At this time, a specific program for the student is projected which will lead to the M.A. degree.

	<i>Hours</i>
Minimum requirements .....	32-36
1. Political Science 600 and 604 (required of all majors) .....	6
2. Field of Concentration (minimum) .....	9-12
3. Second field .....	6
4. Minor or cognate .....	6
5. Thesis .....	6
6. Electives .....	6

**GRADUATE FIELD CONCENTRATIONS**

- American State, Local and Urban Politics: 536, 540, 561, 606, 611, 612, 621, 648, 675.
- American National Politics: 523, 533, 536, 540, 560, 584, 606, 611, 612, 652.
- Constitutional Democracy: See separate section below.
- Comparative Politics: 507, 508, 509, 510, 511, 522, 524, 529, 614, 652.
- International Politics: 505, 506, 515, 520, 523, 524, 529, 609.
- Political Theory: 521, 525, 526, 528, 529, 531, 556, 629.
- Public Administration and Public Policy: 531, 533, 550, 552, 553, 554, 618, 660.

Courses numbered Political Science 580 through 583, 601, 650, and 651 may be counted in an appropriate area of specialization upon the approval of the advisor.

**The Dr. Simon D. Perry Program on Constitutional Democracy**

The Dr. Simon D. Perry Program on Constitutional Democracy, a senior/graduate level program, serves as the academic centerpiece of the John Marshall Research Center. The program, which consists of five core courses as well as eleven other carefully selected offerings from a variety of academic disciplines, represents a unique and dynamic field in constitutional studies, employing a new approach in political science called "historical institutionalism." This program consists of the core and elective courses below and all other requirements of the Department of Political Science and the College of Liberal Arts.

*Requirements*

- Core courses: Any three of the following: PSC 527, PSC 536, PSC 544, PSC 546, PSC 622
- Elective courses: Any three of the following: PSC 521, PSC 529, PSC 560, PSC 484; HST 509, HST 562, HST 620; PHL 451; SOC 523

**MASTER OF PUBLIC ADMINISTRATION (M.P.A.)  
(offered by West Virginia University in cooperation with Marshall)**

The Master of Public Administration degree program provides graduate coursework to prepare and develop public sector management professionals. The degree program will provide competencies and understanding in public management theory and practice, public financial management, methods for public administration research, legal and political foundations, public budgeting, applied research in public administration, human resource systems, and related areas. These abilities and skills are critical to the effectiveness of individuals who work in public sector organizations and to the effectiveness of the organizations themselves.

The Master of Public Administration degree is the recognized professional preparation for management and leadership positions in state government, county and local governments and the federal government. It also directly addresses professional development for other public sector administrators in public service groups, regional arrangements, non-profit organizations, government relations functions and social service agencies.

The cooperative M.P.A. program offered in Charleston will enhance public management competence and organizational impact, particularly in those individuals working in public organizations and functions.

The M.P.A. degree program serves the traditional students directly out of undergraduate school and nontraditional students who graduated some time ago but desire to enter or upgrade in the job market.

- The curriculum of the Master of Public Administration degree is directly focused to:
  - Improve professional preparation for public sector employees.
  - Provide continuing education for state, local and federal employees.

*(continued)*

- Enhance advancement and promotion, particularly for those in public sector.
- Hone public management skills and thus make public sector managers more effective in their important areas of service.

**Application Information**

Application items:

1. West Virginia University’s Application to Graduate School
2. Transcripts of courses and Grade Point Average
3. Graduate Record Examination Scores
4. Three letters of evaluation (references should be from academic and professional sources)
5. Resume (vita)

The Admission Committee prefers the submission of Graduate Record Examination (GRE) scores as part of the application for admission. An exception to this policy may be granted under one of these circumstances:

- Law School Admissions Test (LSAT) or Graduate Management Admissions Test (GMAT) scores may be substituted. A waiver will automatically be granted if LSAT or GMAT scores are submitted.
- Evidence of graduate level competence is demonstrated by previous graduate work. Persons holding a graduate degree or who have completed at least 18 semester hours in another accredited graduate program may formally request waiver of the GRE requirement by submitting a letter. The Admissions Committee will review the request. Their approval will be based on the quality of the graduate program in question and how successful performance within it evidences aptitude for graduate work in public administration.

**M.P.A. Curriculum**

The curriculum requirements for the Master of Public Administration program (South Charleston campus) are the same as the accredited West Virginia University M.P.A. program. The course requirements fall into five categories (1) integrative seminars at the beginning and end of the program, (2) foundation courses which are required before advanced and more specialized courses, (3) advanced required courses, (4) specialized and elective courses, and (5) a Public Administration internship. The M.P.A. degree requires completion of 47 semester credit hours. Students with substantial professional experience may have the internship waived (and graduate with 38 credit hours).

	<i>Hours</i>
<i>Minimum Requirements</i>	47*
1. Integrative Seminar: PA 600.....	2
2. Foundation Courses: PA 610, 620, 630, 640 .....	13
3. Advanced Courses: <b>(required)</b> PA 720, 730, 741 .....	9
<b>(electives)</b> can be taken from other courses offered in Charleston from both West Virginia University and Marshall University. This can include a specialization in programs offered by WVU such as legal studies, social work, healthcare administration, etc., and by MU such as leadership, health care administration, political science, etc. ....	12
4. Internship: PA 751, 752 ** .....	9
5. Integrative Seminar: PA 700 .....	2

\* 38 hours with internship waived for those with professional experience  
 \*\* may be waived for students with substantial professional experience

The courses are planned to be offered over a two year cycle. Although some modifications may be required the general schedule for course offerings in Charleston is planned as follows:

**Year I**

**Fall Semester**

- PA 600, Professional Skills Seminar
- PA 610, Public Management Theory and Practice
- PA 741, Human Resource Systems

**Spring Semester**

- PA 600, Professional Skills Seminar
- PA 640, Legal and Political Foundations
- PA 620, Public Financial Management

**Year II**

**Fall Semester**

- PA 600, Professional Skills Seminar
- PA 630, Methods for Public Administration Research
- PA 720, Public Budgeting

**Spring Semester**

- PA 600, Professional Skills Seminar
- PA 730 Applied Research in Public Administration
- PA 700, Capstone Seminar: Strategies for Change

Note: The above courses in the PA series are West Virginia University courses. Course descriptions and further information are available in the Political Science department office.

## PSYCHOLOGY (PSY)

The Department of Psychology offers the Master of Arts degree in Psychology and the Psy.D. degree in Clinical Psychology (see page 130). Admissions procedures and criteria, curriculum, and other program requirements are distinct for each degree program. Please read the appropriate sections below for information on the program of interest. The following two statements are applicable to all psychology graduate programs:

1. *2-C Rule:* Psychology students cannot continue in a graduate program in psychology if they earn more than one grade of “C” or lower in any graduate course. Such students will not be permitted to continue taking courses or to work on a thesis.
2. *Ethics and Student Behavior:* Students in all programs are expected to behave in accordance with the APA Ethical Principles and Code of Conduct. Consequences for violations may include suspension or dismissal from the student’s program of study. When students in the clinical area of emphasis (M.A. program) or the Psy.D. program exhibit behavior indicating inability or limited capacity to successfully perform clinical roles and functions, they may be suspended or dismissed from their program of study.

### M.A. PROGRAM IN PSYCHOLOGY

1. The M.A. program requires a minimum of 36 graduate credit hours, though students may complete significantly more, depending upon their objectives. A common “core” of 24 credits (see below) is required of all students. The remaining hours are selected in consultation with an advisor to help meet students’ academic and professional goals. The Clinical Psychology area of emphasis (see below) requires a minimum of 23 specified credits beyond the core.
2. Admissions Criteria include:
  - a. Completion of the following prerequisite courses: Elementary or Introductory Statistics, Experimental Psychology or Research Methods; Abnormal Psychology; Learning, Social Psychology and Developmental Psychology.
  - b. A minimum undergraduate GPA of 3.0.
  - c. Completion of the Graduate Record Exam (General Test), with scores no lower than 400 on either the Verbal or Quantitative sections, and a minimum total of 900 on those two sections.
  - d. Students whose credentials do not meet the GPA or GRE requirements can make use of the following alternative approach to admission into the Psychology M.A. program. The student may complete a designated set of 4 Marshall University graduate courses, and earn a GPA of 3.25 or above in that set of classes, with a grade of B or better in each class. All of these classes must be taught by full time Marshall University faculty, and must be taken from at least 3 different faculty members. Prospective students using this method will not be considered for admission to the M.A. program until they have completed the required 4 classes. Students who have not been fully admitted to the program are prohibited from enrolling in any of the clinical psychology specialty courses described below.

The 4 classes must come from the following set:

- Intermediate Statistics (PSY 517; not an option for any student having completed PSY 417 or its equivalent as an undergraduate)
  - Biological Bases of Behavior ( PSY 674)
  - Cognitive Psychology (PSY 672)
  - Advanced or Applied Social Psychology ( PSY 502 or 503)
  - Advanced or Applied Developmental Psychology (PSY 615 or 617)
- e. Applicants who otherwise meet the entrance requirements in *a-c* above but whose B.A. degrees did not include one or more of the prerequisite PSY coursework (see 2a. above) may enroll through the Non Degree Admissions process described elsewhere in this catalog to take M.A. level coursework from the Core described below while they are concurrently completing prerequisites. However, they may only enroll in such M.A. courses that would not expect any of the “missing” undergraduate courses as prerequisites. For example, a student who has not had elementary statistics cannot enroll in Intermediate Statistics (PSY 517); a student without an

undergraduate social psychology course cannot take Advanced Social Psychology, etc. Further, Non Degree students may not enroll in any Clinical Psychology “area of emphasis” classes unless and until they are fully admitted into the M.A. program.

3. **Comprehensive Evaluation:** A written comprehensive examination is required of all students in the M.A. program. Details about the exam are available from advisors and the program coordinator. In addition, students in the Clinical Psychology area of emphasis must, as part of their clinical internship, complete a comprehensive evaluation based on identified clinical competencies.
4. **Thesis:** Students have the option of completing a research thesis. The department has established a set of criteria and procedures for doing a thesis; these are available from advisors. Theses may be good choices for students intending to continue their education in research-oriented Ph. D. programs. This issue should be carefully discussed with the advisor. Up to 6 credits of PSY 681 (Thesis) may be included as “additional coursework” discussed below.

5. **Curriculum**

a. **Core Requirements:**

Intermediate Behavioral Statistics (PSY 517); NOTE: if PSY 417 or its equivalent was taken as an undergraduate, an additional statistics course must be substituted, in consultation with the student’s advisor.

Biological Bases of Behavior (PSY 674)

Cognitive Psychology (PSY 672)

Advanced or Applied Social Psychology (PSY 502 or PSY 503); NOTE: if either course or its equivalent was taken as an undergraduate, the student must take the other course at the graduate level.

Advanced or Applied Developmental Psychology (PSY 615 or PSY 617)

Psychometrics (PSY 506) NOTE: If PSY 406 or its equivalent was taken as an undergraduate, an acceptable alternative must be substituted, in consultation with the student’s advisor.

Ethical and Legal Issues in Psychology (PSY 605)

Research Seminar (PSY 692) or Thesis (PSY 681)

Total: 24 credits

- b. **Additional Coursework:** A minimum of 12 additional credit hours from the following list are to be selected in consultation with the advisor. Students may, and often do, take more than 36 credit hours as part of their degree programs; in preparing their plans of study, students should carefully discuss their academic and career goals with their advisors and other faculty members.

Advanced Social Psychology – PSY 502

Applied Social Psychology – PSY 503

Psychometrics – PSY 506

Abnormal Psychology – PSY 508

Child Psychology – PSY 515

Psychology of Personnel – PSY 518

Industrial/Organizational Psychology – PSY 520

Cross Cultural Psychology – PSY 526

Current Models of Psychotherapy – PSY 533

Physiological Psychology – PSY 540

History and Systems – PSY 560

Differential Diagnosis and Treatment Planning – PSY 608

Advanced Developmental – PSY 615

Applied Developmental – PSY 617

Experimental Design – PSY 623

Multivariate Analysis – PSY 624

Social Psychological Bases of Groups – PSY 627

Child and Family Diagnosis and Therapy – PSY 635

Seminar in Performance Appraisal – PSY 650

Internship in Industrial Organization – PSY 683

With the advisor’s approval, courses from other departments that are consistent with the student’s academic and career goals may be included in the required 12 additional credits.

- c. Clinical Psychology area of emphasis: The Clinical Psychology area of emphasis consists of 23 credit hours of clinical coursework and supervised clinical experience beyond the required department core. (Note: These 23 credits will meet the requirements for 12 additional credits as noted in *b.*, above.) It is designed to prepare graduates for master's degree level practitioner roles within professional psychology. Any student who is fully admitted to the Psychology M.A. program may choose to enroll in the clinical psychology area of emphasis. **However, it is important to note that students choosing the clinical area of emphasis *must* complete the entire track to receive any letters of support or other indication from individual faculty members, the department or the university that the student has achieved appropriate competence in the skills or knowledge bases associated with master's level clinical training, and such students must complete the entire sequence for any indication of the clinical specialty track to appear on their transcripts.** A form for enrolling in this specialty track is available from advisors and from the Clinical area coordinator. The following courses are required for the Clinical Psychology area of emphasis. Those marked with \* are restricted only to students in the clinical track. Students in the M.A. clinical area of emphasis must take their specialty track courses in South Charleston.

Current Models of Psychotherapy (PSY 533; 3 cr.)  
Diagnosis and Treatment Planning (PSY 608; 3 cr.)  
Individual Psychotherapy and Interviewing (PSY 633; 3 cr.)\*  
Assessment of Adults (PSY 610; 3 cr.)\*  
Assessment of Children (PSY 611; 3 cr.)\*  
Adult Assessment Practicum (PSY 620; 1 cr.)\*  
Child Assessment Practicum (PSY 621; 1 cr.)\*  
Clinical Practicum (PSY 670; 3 cr.)\*  
Clinical Internship (PSY 680; 3 cr.)\*

## DOCTOR OF PSYCHOLOGY (PSY.D.) PROGRAM

### Psy.D. program mission and description

The primary mission of the Psy.D. program at Marshall University is the training of highly skilled professional psychologists who have a deep knowledge regarding the unique qualities and needs present in rural and underserved communities. Training within the program emphasizes the importance of critical inquiry at all levels of clinical practice, from treatment planning for individual clients, to the assessment of programmatic needs and outcomes to the design and execution of rigorous empirical research. The program will lead to the Doctor of Psychology (Psy.D.) degree.

The philosophy of the program follows a practitioner-scholar model of training, meaning that there is an emphasis on the vital link between scholarship and practice at all levels of training. The clinical faculty work from a variety of theoretical orientations and bring varied backgrounds to their teaching and supervision. As such, students should anticipate being exposed to a diversity of perspectives with respect to case conceptualization and treatment formulation within their clinical training. This exposure will enhance the student's ability to 1) conceptualize human behavior from a multi-factor, multi-systemic perspective, 2) understand the importance of evidence-based practice, 3) make use of systematic ways to document client progress, and 4) understand the tenets of several theoretical orientations.

The program has several pertinent goals. They are as follows:

1. Our primary goal to provide the highest quality of graduate training in professional psychology for our students.
2. Second, the program will promote an appreciation for cultural diversity and a clear understanding of its role in clinical practice and research. Because of the unique location of Marshall University in central Appalachia, students will be encouraged to explore richness of the Appalachian culture and consider the added dimension it brings to clinical service delivery and research in those regions.
3. A third goal of the program is to promote an understanding in the general field of clinical psychology regarding impact of rural culture on clinical practice.
4. A fourth goal is to make the program accessible to highly qualified students of all levels of experience.
5. Fifth, the program seeks to nurture in students the spirit of lifelong learning.
6. A final goal is to increase the number of doctoral-level practitioners working in rural and underserved regions, particularly those regions in West Virginia. As such, several student positions are reserved each year for qualified residents of West Virginia and the surrounding region and a significant portion of practicum training takes place in rural areas.

## Applying to the Psy. D. Program

*Prerequisite Coursework.* Applicants must have completed a minimum of 18 undergraduate semester hours of psychology, including statistics, experimental psychology, personality, abnormal psychology, and psychometrics in order to be considered for admission.

*Application Deadline and Materials.* Students are admitted to the Psy. D. program once per year for classes starting in the Fall semester. Applicants are required to submit the completed application form with all requested supplemental materials, official transcripts of all previous coursework, official report of the Graduate Record Examination (GRE) General and Psychology Subject tests, and three letters of recommendation. Completed applications along with all supporting materials must be received by the January 15 deadline to be considered for admission the following fall. It should be noted that the application process is competitive. Average scores for successful applicants for the verbal and quantitative sections for the GRE are around 550 and 540 respectively. Grade point averages for successful candidates typically range from 3.2 to 3.6. Application materials and current program information can be obtained by contacting the Marshall University Psychology Department, the Marshall University Graduate College Admissions office, or by consulting the Psychology Department Web site at [www.marshall.edu/psych](http://www.marshall.edu/psych).

*Applicant review process.* Applicants are divided into two groups as follows:

1. **Post-B.A.:** This track is designed for students who either possess no graduate degree or whose graduate degree is in an area other than psychology. Students who have completed some graduate work towards a masters degree in psychology but will not have completed the degree prior to admission to the Psy. D. program would also apply in this track. Students accepted into this track are expected to enroll as full-time students throughout the program. Students accepted through this track will earn a Masters degree in Psychology as they make successful progress toward the Psy.D.
2. **Post-M.A.:** This is the track designed for students who possess a graduate degree in psychology. We expect that most students in this track will enroll on a part-time basis (except for the residency year), though full-time enrollment may be possible in certain cases. In order to apply to this track, students must have completed at least two semesters of supervised practicum work in clinical psychology and a 400 clock-hour, faculty supervised M.A. level internship (or its equivalent) in clinical psychology. In addition, coursework within the psychology M.A. must be generally consistent with the first two years of the Psy. D. curriculum and include coursework in basic assessment and psychotherapy. Students who are admitted to this track and whose coursework is less than seven years old may receive credit for foundational coursework deemed comparable by the faculty who teach those courses. For coursework that is older than seven years, students may be asked to provide a portfolio of work and/or pass examinations pertaining to the area covered in equivalent foundational courses in order to have the courses waived.

Preference will be given to applicants who demonstrate a commitment to delivering services in rural areas as evidenced by career goals, current practice in, or other meaningful connection to such areas. Although several places will be reserved for strong candidates who are West Virginia residents, the department anticipates admitting students who represent a wide range of geographic backgrounds and interests.

*Vertical Team Practica:* Practica in the program are arranged according to vertical teams. Each team is lead by a clinical faculty member who is a licensed psychologist. Teams are organized around a particular orientation to clinical conceptualization and treatment planning. Teams include students at all levels of training and allow newer students to be exposed to practica in which they may be placed as they progress through the program. Vertical team arrangements also allow more experienced students to become mentors to more junior students.

*Comprehensive Evaluation Process:* All students admitted to the program must complete the portfolio evaluation review as part of the comprehensive evaluation process. Students who are admitted immediately after their Bachelor's degree will take a written comprehensive prior to being awarded the Masters degree.

*Doctoral Research Project:* All students are required to complete a doctoral research project prior to receiving their Psy.D. degree. Details of the doctoral research process are discussed in the Psy. D. Student Handbook.

*Internship Requirement:* All students are required to complete a one year, full time (or two year, half time) internship in clinical psychology at an approved internship training site. There are a very limited number of local approved sites and students should anticipate the possibility of relocation during this portion of the training period. Please contact the Psy.D. program coordinator for additional information concerning this requirement.

*Residency Requirement:* Students in both tracks are required to enroll as full time students for a one year "residency" period. For most students, this will be the 4th year, when students focus on their doctoral research and their rural practicum placements.

*Rural Practicum Placement:* A key component of our program is training in and supervised delivery of psychological services in rural settings. All students will spend at least one academic year (two sequential full semesters) placed in an approved rural training site. This placement will require driving to the site and may require an overnight stay each week. More information about this part of the program is available from the Psy. D. program coordinator and/or the Practicum Coordinator.

*Scheduling of Coursework:* Courses are offered during Fall, Spring and Summer terms, with most courses offered no more than once per year. Students must plan to take courses during each term to make appropriate progress through the curriculum.

Other information about program (e.g. comprehensive exams, specific procedures for requesting evaluation of prior graduate coursework, graduate assistantships and other student funding opportunities; the doctoral program fee charged to students each semester of enrollment) are available from the psychology department; please contact the Psy. D. Program Coordinator.

## **Tentative Course Schedule**

### ***Year 1***

#### *Fall*

PSY 610 Adult Assessment  
PSY 620 Adult Assessment Practicum  
PSY 733 Cognitive Behavioral Psychotherapy  
PSY 608 Differential Diagnosis and Treatment Planning  
PSY 617 Applied Developmental Psychology  
Total: 13 hours

#### *Spring*

PSY 611 Child Assessment  
PSY 621 Child Assessment Practicum  
PSY 732 Behavior Therapy  
PSY 633 Individual Interviewing and Psychotherapy  
PSY 600 Teaching Seminar  
Total: 13 hours

#### *Summer*

PSY 605 Ethics and Legal Issues  
PSY 731 Psychodynamic Psychotherapy  
Total: 6 hours

### ***Year 2***

#### *Fall*

PSY 670 Clinic Practicum  
PSY 713 Advanced Assessment Practicum  
PSY 560 History and Systems  
PSY 517 Intermediate Behavioral Statistics  
PSY 674 Biological Bases of Behavior  
Total: 14 hours

#### *Spring*

PSY 671 Clinic Practicum  
PSY 714 Advanced Assessment Practicum  
PSY 674 Human Sexuality/Dysfunction  
PSY 750 Behavioral Health Psychology  
PSY 635 Child and Family Psychotherapy  
Total: 14 hours

#### *Summer*

PSY 755 Rural Psychology  
PSY 618 Psychopharmacology  
PSY 679 Clinic Practicum  
Total: 7 hours

### ***Year 3***

#### *Fall*

PSY 712 Gerontology  
PSY 770 Advanced Community Practicum

*(continued)*

PSY 791 Clinical Seminar  
 PSY 723 Clinical Research Methods I  
 PSY 752 Community Psychology  
 Total: 13 hours

*Spring*

PSY 634 Group Therapy  
 Additional research course  
 PSY 771 Advanced Community Practicum  
 PSY 792 Clinical seminar  
 Total: 10 hours

*Summer*

Additional course in the teaching of psychology (optional)  
 PSY 672 Cognitive Psychology  
 Total: 6 hours

**Year 4**

*Fall*

PSY 772 Rural Practicum  
 PSY 755 Supervision in Clinical Psychology  
 PSY 793 Clinical seminar  
 PSY 799 Doctoral Research  
 Total: 10-13 hours

*Spring*

PSY 503 Applied Social Psychology  
 PSY 773 Rural Practicum  
 PSY 794 – Clinical seminar  
 PSY 799 – Doctoral Research  
 Total: 10 hours

**Year 5**

Internship

Total: 9 hours

Grand Total: 122-125 hours

**GRADUATE CERTIFICATE IN BEHAVIORAL STATISTICS**

Psychology and behavioral research are based, in part, upon the assumption of an orderly analysis of empirical data. Within psychology, behavioral statistics offer the foundation for discovery and advancement of the profession and provide the support for the demonstrability of treatment programs and other forms of psychological intervention.

The Graduate Certificate in Behavioral Statistics offers a comprehensive array of statistical tools and analyses that will enable those who complete the certificate both private and public sector opportunity. The certificate represents a balance between the large sample parametric statistics of experimental design [ANOVA] and regression and the areas of non-parametric and small or single subject design.

Certificate holders will be able to create, design, and implement real-world statistical paradigms. Employers will benefit from the breadth of the program in the graduates' ability to apply behavioral statistical paradigms to their knowledge base.

<b>Requirements:</b> .....	<b>12 hours</b>
PSY 517, Intermediate Behavioral Statistics .....	3 hours
PSY 623, Experimental Design .....	3 hours
PSY 624, Multivariate Analysis .....	3 hours
And <i>one</i> of the following:	
PSY 651, Advanced Nonparametric Statistics .....	3 hours
PSY 654, Single Subject Analysis.....	3 hours

**Admission Standards:**

Admission standards are the same as for the master's degree. All credits earned in the Graduate Certificate Program in Behavioral Statistics may be applied to a master's degree. PSY 517 is a current

requirement for General and Clinical Psychology master's degrees. PSY 623 and PSY 624 are required for the Industrial/Organizational Psychology master's degree. Credits earned may be applied in part to the degrees in Clinical and Industrial/Organizational Psychology and in total to the degree in General Psychology.

### **RELIGIOUS STUDIES (RST)**

The Department of Religious Studies offers a minor field of study which is open to all majors in all fields.

### **SAFETY (SFT) (See Information Technology and Engineering [CITE])**

### **SCHOOL PSYCHOLOGY (Ed.S.)**

The Ed.S. program in School Psychology is designed to prepare students to meet the Department of Education requirements for certification in West Virginia and other states. The program consists of 75 hours of required coursework and field experiences. Students who possess graduate degrees in psychology or education are encouraged to apply and enter with advanced standing. The program faculty will review such students' transcripts and determine the extent of credit to be awarded for previous coursework.

Admission is competitive because of the limited number of available internships. Applicants to the Ed.S. program must have a minimum undergraduate and/or graduate GPA of 3.0. Students must also obtain GRE (General Test) scores of no lower than 400 on either the Verbal or Quantitative sections, or a minimum total of 900 on those two sections. As an alternative to the GRE, students may take the Miller Analogies Test. On this test, students must achieve a scaled score of at least 400 (raw score of 40). In addition, students must submit a sample of their professional writing (a scholarly paper on any subject) and a statement of their professional goals (1000 words or fewer).

Creating a diverse student body is a priority and minority applicants are encouraged to apply. Graduate assistantships are available. Students can be accepted into the school psychology program throughout the school year; however, school psychology competency classes begin in the fall semester of each academic year.

Students are expected to have previous coursework in abnormal psychology, tests & measurements, and statistics. Any prerequisite courses must be completed prior to fall enrollment. In addition, each student is required to have a school psychologist mentor (a practicing school psychologist who has volunteered to serve as a mentor for a school psychology graduate student in his or her geographic area) and an adopting school (the adoptive school is a public school that has agreed to serve as a "home" for the student during his or her years in the program as he or she becomes socialized to the role of school psychologist) at the time of admission. Program faculty will help potential students connect with potential mentors in their own areas if needed.

Students are admitted to the Ed.S. program with the expectation that they will complete the program within three to five years, depending on the number of classes in which they enroll each semester. Students are expected to enroll in all three semesters. Failure to make the expected amount of progress may result in reassignment to another internship year.

During the first year, each student is required to complete five courses in the core competencies of school psychology. The final year begins with the summer semester preceding internship in which the student takes the final practicum and completes the thesis requirement. The student then completes the 1200 hour (12 credit hours) internship that is required for certification in school psychology. The internship requires a commitment to a school system for a full academic year. A maximum of 18 students will be admitted to this final-year experience.

The program consists of 63 hours of coursework followed by a year-long internship earning 12 hours of graduate credit. This paid internship must occur within a school setting and meet stringent criteria specified by the program and the National Association of School Psychologists. In addition, students must pass written comprehensive examinations, complete a thesis, and earn a passing score on Praxis I and Praxis II Specialty Area Test in School Psychology before graduation.

#### **Plan of Study: Ed.S. in School Psychology**

*Requirements:*

<i>Course Number/Course Title</i>	<i>Hours</i>
SPSY 616, Psy Foundations I: Typical & Atypical Child Development .....	3
SPSY 618, Direct Service Delivery I: Instruction & Behavior Mod .....	3
SPSY 601, Professional Competence I: Schools as Systems .....	3

*(continued)*

CISP 535, Educational Foundations I: General Special Ed Programming .....	3
PSY 517, Research I: Statistics or EDF 517 .....	3
SPSY 621, Data-Based Decision Making I .....	3
PSY 674, Psy Foundations II: Biological Bases of Behavior or SPSY 675 .....	3
SPSY 675, Psy Foundations III: Psych Foundations of School Psych .....	3
PSY 623, Research II: Experimental Design or EDF 621 .....	3
PSY 526, Psy Foundations IV: Cross Cultural Psychology or COUN 574 .....	3
SPSY 603, Professional Competence II: Professional School Psych .....	3
SPSY 622, Data-Based Decision Making II .....	3
SPSY 738, Practicum I .....	3
SPSY 617, Indirect Service Delivery I: Consultation .....	3
CIRG 636, Educational Foundations II: Developmental Reading .....	3

*Take Comprehensive Written Examination*

SPSY 624, Data-Based Decision Making III .....	3
SPSY 739, Practicum II .....	3
SPSY 619, Direct Service Delivery II: Individual & Group Counseling .....	3
SPSY 620, Indirect Service Delivery II: Primary Prevention .....	3
SPSY 740, Practicum III .....	3
SPSY 750, Research III: Thesis .....	3

*Defend Thesis*

SPSY 745, Internship .....	6
SPSY 745, Internship .....	6

*Take Praxis II Specialty Examination in School Psychology*

**Total of 73 hours required**

**SOCIOLOGY (SOC)**

The Department of Sociology focuses on applied sociology and anthropology, especially the analysis of social and cultural issues, policies and trends in Appalachia. We also offer courses in social theory, with an emphasis on inequality.

Applicants for admission to the graduate program are expected to present a minimum of twelve hours of undergraduate sociology courses and Graduate Record Examination. A student must file a Plan of Study with the advisor and the Graduate College office no later than the completion of 12 credit hours, including Sociology 503 and 505.

To complete the requirements for the master's degree, graduate students must select either the thesis or the non-thesis option. The thesis option requires completion of 32 hours of work, including 1-6 hours of thesis in Sociology 681 and a minor of 6 hours. The non-thesis option requires completion of 36 hours, including Sociology 679 and a minor of 6 hours. Sociology 503, 521, 545, and 601 are required for either option.

A minor in sociology is earned by presenting at least two 500- or 600-courses (at least 6 hours total) in Sociology as approved by the student's advisor and the Sociology Department.

**SPANISH (SPN)**

The Department of Modern Languages offers a minor field of study in Spanish. These courses can also be used in conjunction with a major in Secondary Education.

**SPECIAL EDUCATION  
(See Curriculum and Instruction)**

**SPEECH  
(See Communication Studies)**

**SPEECH PATHOLOGY  
(See Communication Disorders)**

**TEACHING**  
**(See Education)**

**TECHNOLOGY MANAGEMENT (TM)**  
**(See Information Technology and Engineering [CITE])**

**THEATRE (THE)**

At present the Department of Theatre does not offer a graduate major. Courses in theatre are taken as minors by students in other departments, such as Music, Communication Studies, History, and English. Courses in theatre are also taken by teachers in service who wish to enhance their competence in theatre and to qualify for a higher salary.