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Advising, Degrees, and Graduation

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Abbreviations Used in Course Listings

Abbreviation	Description
I	a course given in the first (fall) semester
II	a course given in the second (spring) semester
I, II	a course given each semester
I and II	a course given throughout the year
Yr	a course continued through two semesters
S	a course given in the summer
HR	credit hours per course
Lec	lecture period
Rec	recitation period
Lab	laboratory period
GLAB	graded lab
WEB	Web-based course
Conc	Must register prior to or at the same time
PR	prerequisite
Coreq	corequisite
Consent	consent of instructor required
CR	credit but no grade

Academic Advising

Freshmen and transfer students enter West Virginia University as general studies, pre-majors or direct admits to their majors, depending on individual academic program admission requirements. The requirements to enter a major may include a minimum number of credit hours,

specific prerequisite coursework, a minimum or competitive grade point average, and/or an entrance exam. For specific program entry requirements, refer to individual degree and major programs in this catalog.

Every student at West Virginia University has access to academic advising. Direct admit students who have matriculated into their majors and some first and second-year pre-majors are advised by staff and faculty in their respective academic units. The Undergraduate Advising Services Center (UASC) advises the majority of first-year pre-majors, many second year pre-majors, as well as ACCESS, part-time, and non-degree students. Students who are undecided on their majors also are advised in the UASC under general studies until they select a major.

WVU students are required to meet with their academic advisors prior to registering for classes each semester. Advisors assist students in understanding major and university requirements; course registration planning and processes; program and course prerequisites; the General Education Curriculum (GEC); and academic standing (e.g. probation and suspension); In addition, advisors and academic mentors may assist students with planning for post-baccalaureate education and careers

Students are expected to become familiar with the Undergraduate Catalog, as it relates to their academic goals and standing; be able to articulate their major and University requirements and prepare for their own course planning and registration processes; use the various majors' websites; and make full use of academic advising.

Commitment to Assessment

The West Virginia University Assessment Council (WVUAC) works with the main WVU campus and divisional campuses to provide resources devoted to sharing best assessment practices, and enhancing student learning through assessment activities. The WVUAC holds monthly meetings to review and provide counsel to program-level assessment activities submitted as part of BOG Program Reviews, and its goals includes strengthening the effectiveness of assessment programs at all levels aimed at enhancing students learning; assisting and helping to create an institutional culture of assessment; aligning the institutional assessment plan with the WVU mission, and serving as an institutional clearinghouse for assessment best practices from around the country.

Credit Hours

West Virginia University courses offered for credit are based on semester hours. Semesters are 15 weeks long plus one week for final exams. A single credit hour is equivalent to 50 minutes of guided instruction within the classroom. An hour of preparation, or related activity outside of the classroom, is equivalent to 60 minutes.

Face-to-Face Classroom Learning

One credit hour is equivalent to one hour of guided instruction (50 minute class) and a minimum of two hours of out-of-class student work each week for approximately 15 weeks for one semester or the equivalent amount of work over a different amount of time such as during the summer sessions, which may be variable. One credit hour in other academic activities, as established by the institution, including laboratory work, internships, practicums, studio work, study abroad, experiential learning opportunities, online learning and other academic work is defined at least by an equivalent amount of work as required in the preceding paragraph and outlined in more detail below.

Online Classroom Learning

One credit hour of online learning is equivalent to 15 hours of direct instruction via computer-assisted (modules), multi-media interaction, discussions, and/or engagement for exams/quizzes/assessments as documented in the course syllabus and approved to meet best practices in online learning, and 30 hours of student work (e.g. readings, supplemental home work) to complete the course requirements as set forth by the course instructor. Online courses developed from existing face-to-face instruction adhere to the defined learning outcomes and assessments of the original face-to-face format for the course. All WVU online programs are reviewed for nationally accepted standards for online learning.

Experiential Learning

In experiential learning, including opportunities representing laboratory/lecture courses, undergraduate research (with or without laboratory), professional development internships, and service learning, a total of three hours of classroom and preparation time per week over a period of fifteen weeks for one credit hour or the equivalent amount of work over a shorter period of time is required. Courses must incorporate adequate opportunities to document student progress and student completion of the stated learning objectives for each experience.

Study Abroad

One credit hour is equivalent to 15 hours of guided instruction and 30 hours of cultural, linguistic or other types of engagements as described by the syllabus and approved by the faculty, department Chair, Dean, and Associate Provost. Exceptions to this general rule would need to be justified and approved on an individual basis.

Studio/Ensemble Work

In studio courses representing the arts, design, and theatre, one credit hour is equivalent to 1.5 hours of guided instruction and three hours for studio class preparation each week for 15 weeks as defined by the National Association of Schools of Art and Design (NASAD). In accordance with the National Association of Schools of Music standards, one credit hour of ensemble work in the music field represents

three hours of practice each week, on average, for a period of fifteen weeks plus the necessary individual instruction as defined by the major subject.

Variable Credit Offerings

Variable credit courses often represent student experiences that range in contact hours based on the focus and discipline of the experience. Practicums (teaching and research), field experience, undergraduate and graduate research and laboratory rotations and credit, and independent studies offer a range of contact. One credit hour is equivalent to 15 contact hours of guided instruction (e.g., student progress meetings, assessment) and 30 hours of student work to complete the requirements set forth by the advisor or course instructor (e.g., team meetings, review sessions, thesis/dissertation preparation) over a 15 week period. Instructors/Mentors and students should discuss the appropriate number of total credit hours for a given course based on the time needed to attain outcomes of the particular endeavor.

Credits Required

All students entering WVU as an undergraduate student with fewer than 29 hours must take and earn a passing grade in WVUE 191 in their first semester at WVU. Those who do not pass the course must re-enroll for subsequent semesters until they earn a passing grade. In certain majors, alternate courses are acceptable. These courses will be identified for students by their advisors.

Every undergraduate degree program at WVU requires that students satisfactorily complete the General Education Curriculum which includes an approved writing course and a capstone experience prior to graduation.

Each degree program is based upon a combination of required courses and electives. Certain University requirements are listed below. In addition, the various colleges and schools determine their own credit requirements and course grades and grade point averages for graduation. The required minimum grade point average for all programs is 2.0 or higher. Bachelors degrees conferred by West Virginia University must require at least 120 credit hours. Most degree programs require additional hours (see specific requirements for each major).

Degree Programs Offered by WVU

College of Business and Economics

Program	Bachelor's	Master's	Doctoral/Professional
Accounting	B.S.B.Ad.		
Business Administration		M.B.A	Ph.D.
Business Management	B.S.B.Ad.		
Economics	B.S.	M.A.	Ph.D.
Finance	B.S.B.Ad	M.S.	
Industrial Relations		M.S.	
Management Information Systems	B.S.B.Ad.		
Marketing	B.S.B.Ad.		
Professional Accountancy		M.P.A.	

College of Creative Arts

Program	Bachelor's	Master's	Doctoral/Professional
Art		M.A.	
Art History	B.A.		
Art and Design	B.F.A	M.F.A	
Music	B.A, B.M.	M.M.	D.M.A, Ph.D.
Multidisciplinary Studies	B.M.D.S.		
Theatre	B.A., B.F.A	M.F.A.	

Benjamin M. Statler College of Engineering and Mineral Resources

Program	Bachelor's	Master's	Doctoral/Professional
Aerospace Engineering	B.S.A.E	M.S.A.E.	
Biometric Systems	B.S.B.S.		
Chemical Engineering	B.S.Ch.E.	M.S.Ch.E.	
Civil Engineering	B.S.C.E.	M.S.C.E.	
Computer Engineering	B.S.Cp.E.		
Computer Science	B.S.	M.S.C.S	Ph.D.
Electrical Engineering	B.S.E.E.	M.S.E.E.	

Engineering		M.S.E.	Ph.D.
Industrial Engineering	B.S.I.E	M.S.I.E	
Industrial Hygiene		M.S.	
Mechanical Engineering	B.S.M.E.	M.S.M.E.	
Mining Engineering	B.S.Min.E.	M.S.Min.E.	
Petroleum & Natural Gas Engineering	B.S.PNGE.	M.S.PNGE.	
Safety Management		M.S.	
Software Engineering		M.S.S.E	

College of Human Resources and Education

Program	Bachelor's	Master's	Doctoral/Professional
Audiology			Au.D.
Child Development and Family Studies	B.S.		
Communication Sciences and Disorders			Ph.D.
Counseling		M.A.	
Counseling Psychology			Ph.D.
Education			Ed.D., Ph.D.
Educational Leadership		M.A.	
Educational Psychology		M.A.	
Elementary Education	B.A.	M.A.	
Instructional Design and Technology		M.A.	Ed.D.
Multidisciplinary Studies	B.M.D.S.		
Reading		M.A.	
Rehabilitation Counseling		M.S.	
Secondary Education		M.A.	
Special Education		M.A.	
Speech Pathology and Audiology	B.S.		
Speech Pathology		M.S.	

College of Law

Program	Bachelor's	Master's	Doctoral/Professional
Law			J.D.

College of Physical Activity and Sports Science

Program	Bachelor's	Master's	Doctoral/Professional
Kinesiology			Ph.D.
Physical Education	B.S.	M.S.	Ed.D.
Sport Studies	B.S.		

Davis College of Agriculture, Forestry, and Consumer Sciences

Program	Bachelor's	Master's	Doctoral/Professional
Agricultural and Resource Economics		M.S.	
Agricultural and Extension Education	B.S. Agr.	M.S.	
Agricultural Sciences			Ph.D.
Agriculture, Forestry, and Consumer Sciences		M.Agr.	
Animal and Nutritional Sciences	B.S., B.S. Agr.	M.S.	
Design and Merchandising	B.S.	M.S.	

Forest Resources Management	B.S.F.		
Forest Resource Science			Ph.D.
Forestry		M.S.F.	
Genetics and Developmental Biology		M.S.	Ph.D.
Landscape Architecture	B.S.L.A.	M.L.A.	
Multidisciplinary Studies	B.M.D.S.		
Plant and Soil Sciences	B.S., B.S.Agr.	M.S.	
Recreation, Parks, and Tourism Resources	B.S.R.	M.S.	
Reproductive Physiology		M.S.	Ph.D.
Resource Management	B.S., B.S. Agr.		
Resource Management and Sustainable Development			Ph.D.
Wildlife and Fisheries Resources	B.S.	M.S.	
Wood Science and Technology	B.S.		

Eberly College of Arts and Sciences

Program	Bachelor's	Master's	Doctoral/Professional
Biology	B.A., B.S.	M.S.	Ph.D.
Chemistry	B.A., B.S.	M.S.	Ph.D.
Communication Studies	B.A.	M.A.	Ph.D.
Computer Science	B.S.		
Creative Writing		M.F.A.	
Economics	B.A.		
English	B.A.	M.A.	Ph.D.
Forensic and Investigative Science	B.S.	M.S.	
Geography	B.A.	M.A.	Ph.D.
Geology	B.A., B.S.	M.S.	Ph.D.
History	B.A.	M.A.	Ph.D.
Interdepartmental Studies	B.A., B.S.		
Legal Studies		M.L.S.	
Liberal Studies		M.A.L.S.	
Mathematics	B.A., B.S.	M.S.	Ph.D.
Multidisciplinary Studies	B.M.D.S., B.A.		
Philosophy	B.A.		
Physics	B.A., B.S.	M.S.	Ph.D.
Political Science	B.A.	M.A.	Ph.D.
Professional Writing and Editing		M.A.	
Psychology	B.A., B.S.	M.A., M.S.	Ph.D.
Public Administration		M.P.A.	
Regents Bachelor of Arts	R.B.A.		
Social Work	B.S.W.	M.S.W.	
Sociology		M.A.	
Sociology and Anthropology	B.A.		
Statistics		M.S.	
World Languages, Literature, and Linguistics	B.A.	M.A.	

Perley Isaac Reed School of Journalism

Program	Bachelor's	Master's	Doctoral/Professional
Integrated Marketing Communications		M.S.	
Journalism	B.S.J.	M.S.J.	

School of Dentistry

Program	Bachelor's	Master's	Doctoral/Professional
Dental Hygiene	B.S.	M.S.	
Dental Specialties		M.S.	
Dentistry			D.D.S.

School of Medicine

Program	Bachelor's	Master's	Doctoral/Professional
Biochemistry and Molecular Biology			Ph.D.
Biomedical Sciences		M.S.	
Cancer Cell Biology			Ph.D.
Cellular and Integrative Physiology			Ph.D.
Clinical and Transitional Science		M.S.	
Exercise Physiology	B.S.	M.S.	Ph.D.
Immunology and Microbial Pathogenesis			Ph.D.
Pathologist's Assistant (Master's in Health Sciences)		M.H.S.	
Medical Laboratory Science	B.S.		
Medicine			M.D.
Neuroscience			Ph.D.
Occupational Therapy		M.O.T.	
Physical Therapy			D.P.T.

School of Nursing

Program	Bachelor's	Master's	Doctoral/Professional
Nursing	B.S.N.	M.S.N.	D.N.P., Ph.D.

School of Pharmacy

Program	Bachelor's	Master's	Doctoral/Professional
Pharmaceutical and Pharmacological Sciences			Ph.D.
Pharmacy			Pharm.D.

(Emerging) SCHOOL OF Public health

Program	Bachelor's	Master's	Doctoral/Professional
Community Health Promotion		M.S.	
Public Health		M.P.H.	
Public Health Sciences			Ph.D.

Degree Works

Degree Works is the official, online advising and degree auditing tool at WVU. All undergraduate students should have a completed audit for graduation. Please refer to this system regularly. You can access Degree Works through your MIX account. More information is available at <http://registrar.wvu.edu/dw>.

Dual Degrees/Double Majors

Simultaneous completion of dual baccalaureate degrees require a student to complete an additional 30 hours beyond their primary degree (for a minimum of 158 hrs). Completion of double or multiple majors within a single degree require a student to meet requirements of all programs. Graduation with double or multiple majors can only be achieved simultaneously.

General Education Curriculum (GEC)

For General Education Curriculum (GEC) definitions and list of approved GEC/Writing/Capstone courses please see <http://registrar.wvu.edu/>.

Goals of Undergraduate Education

West Virginia University is committed to providing a high-quality education to students without regard to race or color, sex, sexual orientation, veteran status, religion, age, disability, national origin, creed, ancestry, or political affiliation.

WVU's undergraduate education is designed to help students acquire a basic foundation in a variety of academic areas, in addition to their major field. Nine General Education Curriculum (GEC) objectives are met through the completion of courses designated as GEC courses. For a description of the General Education Curriculum, visit the Office of Registrar's website: <http://registrar.wvu.edu/>. B.A. candidates in certain degree programs are also required to reach a specified level of proficiency in a language other than English.

Other goals:

- Integrate the perspectives of the humanities, social sciences, and natural sciences, and an appreciation of the arts with coursework in the major to facilitate an understanding of the world at large. This foundation for lifelong learning should provide the knowledge and skills necessary to deal with social, cultural, and technological change.
- Develop critical thinking and problem-solving skills sufficient for life in contemporary society. These skills include the ability to read critically, listen critically, ask appropriate questions, gather relevant information, and apply critical analysis to reach logical conclusions. Central to these skills are mathematical literacy and proficiency in oral and written communications.
- Attain proficiency in their major fields. This proficiency should enable them to be competitive in the job market or in admission to graduate or professional schools.
- Acquire knowledge, understanding, and an appreciation of diversity in languages, cultures, ideas, and peoples, along with a desire to work so that all individuals are treated in a manner consistent with social justice.
- Maintain a lifelong commitment to ethical behavior, responsible citizenship, and public service.

Graduation

In order to graduate, a student must file an application for graduation in the academic dean's office of his or her major department during the first month of the semester or summer term in which he or she expects to graduate. If a student is uncertain about graduation requirements, the department chairperson may be contacted for clarification. The student should also meet with their academic advisor for guidance.

Graduation with Honors

WVU recognizes distinguished academic achievement by awarding degrees cum laude, magna cum laude, and summa cum laude. This distinction can be awarded on initial or second baccalaureates and specified entry-level professional degrees. All candidates for a baccalaureate with a GPA of 3.8 or higher graduate summa cum laude. Those with a grade point average of less than 3.8, but equal to or above 3.6, graduate magna cum laude. Those with a GPA of less than 3.6, but equal to or above 3.4, graduate cum laude.

Grade point average for honors consideration for a baccalaureate is based on baccalaureate-level college work attempted through the next-to-the-last semester or the last semester, whichever GPA is higher. This calculation includes transferable baccalaureate-level college work attempted at all regionally-accredited higher education institutions attended. Credit hours earned with a grade of P or S are not considered in the determination. Grades of F, however, are computed as hours attempted.

The GPA for honors consideration for entry-level professional degrees is based on baccalaureate-level and professional-level work attempted through the next-to-the-last semester or through the last semester, whichever GPA is higher. This calculation includes transferable baccalaureate-level and professional-level college work attempted at all regionally accredited higher education institutions attended. Credit hours earned with a grade of P or S are not considered in the determination. Additionally, GPA on WVU work must meet the requirements stated for the level of honors to be designated. If a student's GPA on WVU work indicates a lower level of honors, then the WVU GPA shall govern the specific designation.

Students entering and completing a second baccalaureate program following completion of the initial degree at the University are eligible to receive the honors designation. Grade point averages for graduation with honors on second baccalaureates shall be computed on the last 80 semester hours of baccalaureate-level work, excluding credit earned with a P or S. At least 30 semester hours must have been completed in the second degree program through the penultimate semester.

Plan for Numbering Courses

For convenience, each course of study is designated by the name of the department in which it is given and by the number of that course. The plan for numbering courses is as follows:

Courses 1–99 Developmental and community college certificate courses (does not require WVU Faculty Senate approval) and undergraduate professional development courses (courses that are designed for professional development and require students to possess a high school diploma but the course would not count toward graduation).

Courses 100 Freshman/Lower Division: Intended primarily for freshmen, although by upper-division students may take them if needed to complete degree requirements.

Courses 200 Sophomore/Lower Division: Intended primarily for sophomores. These courses may have 100 or 200-level prerequisites.

Courses 300 Juniors/Upper Division: Intended primarily for juniors. These courses may have extensive prerequisites or be limited to specific majors.

Courses 400 Seniors/Upper Division: Intended primarily for seniors and selected graduate students. These courses are typically limited to advanced undergraduates within a particular major or degree program and selected graduate students. No more than 40 percent of the credits counted for meeting requirements for a graduate degree can be at the 400 level.

Courses 500 Undergraduate Seniors and Master's Level: Courses intended for advanced undergraduate and graduate students. Undergraduates in any class carrying a 500-level course number must have a 3.0 cumulative grade point average and written approval on an Application for an Advanced Undergraduate Student to Enroll in a Course Numbered 500-599 for Undergraduate Credit from the course instructor, student's advisor(s) and academic dean. Seniors may count these courses for graduate credit only after completion and approval of a senior petition.

Courses 600 Master's Level: Courses intended for master's degree students (no undergraduates permitted).

Courses 700 Master's and Doctoral Degree Level: Courses intended for doctoral students and advanced master's students (no undergraduates permitted).

Courses 900 Professional Development: Courses intended for professional development and require students to possess a bachelor's degree; these courses do not count toward graduation and are not applicable towards a graduate degree. Grading is S/U only.

Note: Graduate degree credit-hour requirements must include at least 60 percent at the 500–level and above.

Common Course Numbers and Descriptions

199. Orientation to [subject/field]. 1 Hr. Orientation to degree programs and requirements, departmental resources, curriculum options, student responsibilities, and opportunities.

293. Special Topics. 1-6 Hr. PR: Consent. Investigation of topics not covered in regularly scheduled courses.

393. Special Topics. 1-6 Hr. PR: Consent. Investigation of topics not covered in regularly scheduled courses.

490. Teaching Practicum. 1-3 Hr. PR: Consent. Teaching practice as a tutor or assistant.

491. Professional Field Experience. 1-18 Hr. PR: Consent (may be repeated up to a maximum of 18 hours.) Prearranged experiential learning program, to be planned, supervised, and evaluated for credit by faculty and field supervisors. Involves temporary placement with public or private enterprise for professional competence development.

492. Directed Study. 1-3 Hr. Directed study, reading, and/or research.

493. Special Topics. 1-6 Hr. PR: Consent. Investigation of topics not covered in regularly scheduled courses.

494. Seminar. 1-3 Hr. PR: Consent. Presentation and discussion of topics of mutual concern to students and faculty.

495. Independent Study. 1-6 Hr. Faculty-supervised study of topics not available through regular course offerings.

496. Senior Thesis. 1-3 Hr. PR: Consent.

497. Research. 1-6 Hr. Independent research projects.

498. Honors, 1-3 Hr. PR: Students in Honors Program and consent by the honors director. Independent reading, study, or research.

499. Global Service Learning. 3 Hr. PR: Consent. Theory and practice of global service-learning. The main objective will be to pair the experiential aspects of meaningful and sustained service in the host community with work from the student's anchor course by offering a methodological framework for cultural immersion and community service as well as adding to the content of the anchor course.

590/690/790. Teaching Practicum. I, II, S. 1-3 hr. PR: Consent. Supervised practice in college teaching of _____ (Subject matter determined by department/division/college/school offering the course). Note: This course is intended to insure that graduate assistants are

adequately prepared and supervised when they are given college teaching responsibility. It also provides a mechanism for students not on assistantships to gain teaching experience.

591/691/791. Advanced Topics. I, II, S. 1-6 hr. PR: Consent. Investigation in advanced topics that are not covered in regularly scheduled courses.

592/692/792. Directed Study. I, II, S. 1-6 hr. Directed study, reading, and/or research.

593/693/793. Special Topics. I, II, S. 1-6 hr. A study of contemporary topics selected from recent developments in the field.

594/694/794. Seminar. I, II, S. 1-6 hr. Special seminars arranged for advanced graduate students.

595/695/795. Independent Study. I, II, S. 1-6 hr. Faculty-supervised study of topics not available through regular course offerings.

696/796. Graduate Seminar. I, II, S. 1 hr. PR: Consent. Each graduate student will present at least one seminar to the assembled faculty and graduate student body of his or her program.

697/797. Research. I, II, S. 1-15 hr. PR: Consent. Research activities leading to thesis (697), problem report (697), research paper or equivalent scholarly project (697), or a dissertation (797). (Grading Will be S/U.)

698/798. Thesis or Dissertation. 2-4 hr. PR: Consent.

Note: This is an optional course for programs that believe that this level of control and supervision is needed during the writing of students' reports (698), theses (698), or dissertations (798).

699/799. Graduate Colloquium. I, II, S. 1-6 hr. PR: Consent. For graduate students not seeking coursework credit but who wish to meet residency requirements, use the University's facilities, and participate in its academic and cultural programs. Note: Graduate students who are not actively involved in coursework or research are entitled, through enrollment in their department's 699/799 Graduate Colloquium, to consult with graduate faculty, participate in both formal and informal academic activities sponsored by their program, and retain all of the rights and privileges of duly enrolled students. Grading is S/U; colloquium credit may not be counted against credit requirements for masters programs. Registration for one credit of 699/799 graduate colloquium satisfies the University requirement of registration in the semester in which graduation occurs.

Plan of Study

Within the first academic year, the student submits a plan of study to the Health Sciences Center Graduate Programs Office. Once approved, the plan of study becomes part of the student's record. It serves as a formal agreement between the student and program faculty as to the requirements for completing the graduate degree. Any changes to the plan of study must be made through mutual agreement, and the student must submit a memorandum of changes to the Health Sciences Center Graduate Program's Office.

Official Program Designations

Degree program: an area of study approved as such by the institution and the Board of Governors (BOG) and listed on the official inventory of degree programs (e.g., English, social work, physical education, foreign languages). The degree is represented by the official degree designation (e.g., B.A.—bachelor of arts, B.S.—bachelor of science, B.M.D.S.—bachelor of multidisciplinary studies, M.A.—master of arts, B.S.J.—bachelor of science in journalism, B.S.P.Ed.—bachelor of science in physical education, etc.)

Major: a field of study within an approved degree program, having its own prescribed curriculum. A degree program may have more than one major.

Area of Emphasis: a specific subject area within an approved degree program and major. Normally, a minimum of 12 credit hours and no more than 18 credit hours are expected for an area of emphasis.

Minor: strategic work in an area of study that encourages students to pursue a secondary field. Students may not earn a minor in the same field as their major. Requirements for a minor are set by the academic unit offering the minor and must include at least 15 hours of coursework, with a minimum of nine hours at the upper division level (course numbers 300 or above).

Official Transcripts

Students can order official transcripts through their MIX account at any time or go to <http://registrar.wvu.edu/transcripts>. All orders require a valid e-mail address and a credit/ debit card which will be charged by e-Pay West Virginia once the transcript request has been entered and a confirmation number is provided.

Before ordering a transcript, students should log on to their MIX account to ensure that all grades and degree(s) have been posted. Transcript requests are processed immediately. They are not held for posting of final grades and/or degrees.

All financial obligations to West Virginia University must be cleared before transcripts can be released. Transcripts may not be picked up by another party unless the student has given written authorization with the request. The designated person will be expected to show a picture I.D. before obtaining the transcript.

A West Virginia University transcript is a complete record of a student's enrollment at WVU. This includes all undergraduate, graduate, and professional courses. Partial transcripts are not available.

Regulations Affecting Degrees

All degrees are conferred by the WVU Board of Governors as recommended by the faculties of the various colleges and schools. A degree is granted at the end of the semester or summer term in which a student completes all the requirements for that degree, provided the student has submitted an application for graduation at his or her major department's academic dean's office and the dean has certified completion of all degree requirements.

A student becomes eligible to graduate when he or she completes the requirements of the University, college or school, and major degree program according to the Undergraduate Catalog in effect at the time the student first entered WVU. With the consent of the student's advisor and dean, a student may choose to meet the conditions published in a later catalog. If a student entered WVU more than seven years previously, the student must complete the requirements in a catalog that is no more than seven years old.

Students must observe any program changes that are enacted by the West Virginia University Faculty Senate, West Virginia University Board of Governors, the West Virginia Higher Education Policy Commission, or by local, state, or federal law.

WVU policy dictates that, in view of their professional responsibilities to the general public, the faculty of a professional school may recommend to the president of the University, in writing, that a student be removed from its rolls. The recommendation of the faculty must indicate that the student is not fit to meet the qualifications and responsibilities of the profession.

WVU will not issue a diploma or a transcript to any student until payment of all tuition, fees, and other indebtedness to any unit of the University is made.

Second Degrees

Students who have earned one bachelor's degree from WVU or another institution may earn another bachelor's degree by completing, at a minimum, an additional 30 hours beyond the first degree. All program and university requirements must be satisfied for the second degree, as well as, residency requirements.

Student Responsibility

Students are responsible for their own academic well-being, including knowing their scholastic standing as it relates to the published regulations and standards of WVU. This responsibility includes familiarity with the regulations and requirements of their academic college or school or the Undergraduate Advising Services Center and the regulations and requirements of the department or division in which they are pursuing a degree. Students are encouraged to meet with their university advisor or academic advisor when questions arise or when the student is confronted with multiple challenges.

Residency Requirements

If transferring to WVU from another institution of higher learning, the transfer should occur no later than the start of the student's third year. Under no circumstances will a student who enters WVU after October 1 in any year be allowed to receive a degree at the next commencement.

In some special cases, students can leave WVU at the end of their third year, and still receive a degree from WVU. The student must enter another accredited institution with the purpose of taking a combined program that will lead to two degrees or prepare for graduate study. Before leaving, the student must apply to the college's Academic Standards Committee to request permission to do the work of the fourth year, or a part thereof, at the other institution but still receive the degree from WVU. The student will receive a degree when the proper records from the other school are presented.

A transfer student who has completed all undergraduate work in another school in the West Virginia system of higher education must complete either the last 30 hours of work at WVU or at least 36 hours of work at WVU, of which 16 of the last 32 hours must be on campus. Transfer students whose undergraduate work has been completed outside of the West Virginia system of higher education must complete a total of 90 hours or at least the last 30 hours of work in residence at WVU. Students may be required to earn up to 15 hours in a major field regardless of the number of hours or the nature of the courses transferred.

Students' Committees

Doctoral dissertation committees will consist of no fewer than five members, the majority of whom, including the chairperson, will be regular graduate faculty. No more than one person may be a non-member. At least one member of every doctoral committee must be from a department other than the one in which the student is seeking a degree.

Master's committees of programs requiring a thesis will consist of no fewer than three members, the majority of whom will be regular graduate faculty, including the chairperson. No more than one person may be a non-member.

Master's committees of programs not requiring a thesis will consist of no fewer than three members, one of whom must be a regular graduate faculty member. No more than one person may be a non-member, and the non-member cannot chair or advise.

Committee approval must be obtained prior to the second semester for a master's degree and prior to the fourth semester for the doctorate. Committee approval for the nursing program is after the third semester.

Committee Approval

All graduate committees are subject to the approval of the school dean or designate and the Health Sciences Center Graduate Programs Office.

Schedule of Courses

Before the opening of each term, a Schedule of Courses is posted to <http://courses.wvu.edu/> announcing the courses that will be offered by the colleges and schools of WVU.

Work Done Out of Residence

WVU's policy is to discourage taking regular residence courses in absentia. If a student begins a course at WVU but fails to complete it due to illness or some other acceptable reason, he or she may receive permission to complete the work in absentia. Permission must be granted by the Academic Standards Committee of the college or school concerned, and the work must be completed under the guidance of a WVU professor. Credit in such cases is allowed only upon a report of a grade of C or better on the final examination. This regulation does not apply to WVU off-campus courses or to courses offered through Extended Learning or Study Abroad.

A student who fails a course (receives a final grade of F) taken at WVU must repeat the course at WVU or at a regional campus to receive credit for that course. The dean of the college or school in which the student is enrolled may authorize an exception to this regulation. If so, then the dean should provide a letter to be placed in the student's folder, authorizing the exception and explaining its basis.

Students should be aware of the requirements for residence and specific degree requirements described in the catalog when transferring credit from other institutions.

Graduate Committee

General requirements for all graduate committees — The majority of the members of any graduate committee must be members of the graduate faculty, including the chair of the committee. No more than one person may be a nonmember of the graduate faculty. No family member may serve on the graduate committee of his or her relative. All graduate committees are subject to the approval of the chairperson or designee of the department/division and the dean or designee of the college/school. Once a graduate committee has been officially established, it will not be necessary to alter it if the graduate faculty status of member(s) of the committee is downgraded.

Master's committees consist of no fewer than three members. It is recommended that at least one member of the committee be from outside the student's department. Master's committees of students choosing a thesis option must be chaired by a regular graduate faculty member and the majority of the committee must have regular graduate faculty status. Master's committees of programs not requiring a thesis generally consist of no fewer than three members, one of whom must be a regular graduate faculty member. No more than one person may be a non-member, and the non-member cannot chair or advise.

Plan of Study

Shortly after entrance into a degree program and usually before nine to 12 hours of graduate coursework have been completed, the student, the advisor, and the committee (if appointed) draw up a plan of study (or prospectus). Depending on the degree sought and the field of study, the plan may also contain an outline of the research problem to be undertaken. In some graduate programs, the student and committee meet at a later date to delineate the research project more formally. The plan of study is subject to approval and becomes a formal agreement between student and program faculty regarding the conditions to be met to complete the degree. Any subsequent changes in the plan of study or prospectus can be made only through mutual agreement because of the binding nature of these documents. Should a disagreement arise at any time, the responsibility for arbitration rests with the dean of the school or college.

Master's Degree Coursework Requirements

Students in a master's program must complete a minimum of 24 hours of coursework other than thesis credit. A minimum of 30 total hours is also considered standard.

Master's Degree Time Limit

Graduate work planned with the student's advisory committee (e.g., plan of study) must be satisfactorily completed within a period of eight years immediately preceding the conferring of the degree. A course taken more than eight years previously must be revalidated if it is to be used towards meeting degree requirements. Revalidation can be accomplished by submitting the following information for approval to the Office of Graduate Education and Life:

- A letter from the course instructor listing the criteria used to revalidate the course material;
- A copy of the student's performance on the student's revalidation examination; and
- A letter from the college/school graduate coordinator and/or dean supporting the revalidation.

Thesis Research

Many master's degrees require the completion of a research project under the direction of the faculty of the University on some topic in the field of the major subject. The thesis must present the results of the master's degrees candidate's investigation.

Thesis Defense

In cases where a thesis is a component of the master's student's plan of study, the student must present the thesis to the committee for evaluation. After the committee has tentatively approved the student's written thesis, the final presentation and defense of the thesis can be scheduled. This presentation is not given until the term in which all other requirements for the degree are to be met. The student's committee chairperson must indicate in advance the time, place, and committee members and receive clearance from the office of the school or college dean before the thesis is presented. Such notifications of thesis presentations must be received at least three weeks before the defense date.

The student cannot be considered as having satisfactorily passed their master's program if there is more than one unfavorable vote among members of the thesis committee. Results of each defense must be reported to the school or college dean within 24 hours. Re-examination may not be scheduled without approval of the request by the school or college dean. All committee members are to be present for the thesis defense. One committee member (but not the chair) may attend by audio or videoconference, but should be available electronically during the entire time of the defense. If an examination cannot be scheduled at a time convenient to all committee members, the dean or designee may permit another faculty member to substitute for the original committee member, provided that the original committee member was not the chair. There can be no substitute for the chair. Only one substitute is allowed, and the request for a substitute must be made in writing prior to the examination. The request for a substitute should be signed by the committee chair, the student, and both the original faculty member and the substitute faculty member. A substitute faculty member must have the same or higher graduate faculty status as the original faculty member and represent the same academic discipline or specialization.

Thesis Submission

The requirements for a master's degree include acceptance of the thesis defense and submission of the electronic thesis (as noted below). If there is a substitute faculty member scheduled for the defense, the substitute signs the shuttle sheet; however, the original committee member is to sign printed copies of the thesis if generated. The electronic thesis must be presented to the University not later than the last day of classes of the semester or summer session in which the degree is expected to be granted.

Additional Master's Degrees

University policy permits students to obtain more than one master's degree. In these cases, a separate application is required for each program. Each application must be accompanied by payment of a nonrefundable application fee.

A student desiring to obtain more than one master's degree must successfully complete sufficient additional credit hours to constitute 75 percent of the credit hours required by each additional master's degree program as well as any specific program requirements. Individual graduate units may require higher percentages to be earned under their direction.

Concurrent Master's Degree Programs

West Virginia University offers several concurrent or dual master's degree programs. Concurrent degree programs are programs in which courses between collaborating units are accepted for credit by each unit. Total coursework credit requirements for the concurrent degrees must be at least 75 percent of the summation of the separate degree programs. Students in such programs must also successfully complete any specific program requirements. Individual graduate units may require higher percentages of credit to be earned under their direction. Students should inquire of the individual units regarding admission and academic requirements and regulations for these concurrent degree programs.

Combined Undergraduate and Master's Degree Programs — Accelerated Master's Degree Programs (4+1, 3+2 Programs)

The purpose of the Accelerated Master's Degree (AMD) program is to allow academically talented students the opportunity to obtain both a bachelor's and master's degree from West Virginia University. In many cases, this option might be selected early in a student's academic career as an opportunity to gain an advanced degree through a guiding curriculum designed to accelerate degree completion. Students may apply to departments/academic programs offering AMD programs for admission after having completed a minimum of two semesters as a full-time student at WVU, with a minimum of 24 credit hours, provided they have a minimum 3.0 GPA. Individual units may establish more stringent requirements.

Accelerated Master's Degree students are permitted to take graduate courses leading to the master's degree when prerequisites for such courses have been fulfilled. Up to 12 credit hours of graduate coursework may be applied towards the requirements for the bachelor's

degree. The bachelor's degree is awarded at the end of the normal senior year (determined by program specific credit hours). During the remaining period of study, accelerated degree students complete the remaining courses and any other degree requirements needed to complete the master's degree and must maintain satisfactory academic standing at the graduate level determined by the individual academic units.

The program of doctoral study is planned with the student's graduate advisor and committee to combine any or all of the following: graduate courses of instruction, special seminars, independent study, supervised research, and supervised training designed to promote a broad and systematic knowledge of the major field and to prepare the student for the comprehensive qualifying and final examinations and writing of the dissertation.

Graduate Committee

General requirements for all graduate committees — The majority of the members of any graduate committee must be members of the graduate faculty, including the chair of the committee. No more than one person may be a nonmember of the graduate faculty. No family member may serve on the graduate committee of his or her relative. All graduate committees are subject to the approval of the chairperson or designee of the department/division and the dean or designee of the college/school. Once a graduate committee has been officially established, it will not be necessary to alter it if the graduate faculty status of member(s) of the committee is downgraded.

Doctoral dissertation committees consist of no fewer than five members, the majority of whom must be regular graduate faculty, including the chairperson. At least one member of the committee must be from a department other than the one in which the student is seeking a degree.

Plan of Study

Shortly after entrance into a degree program and usually before nine to 12 hours of graduate coursework have been completed, the student, the advisor, and the committee (if appointed) draw up a plan of study (or prospectus). Depending on the degree sought and the field of study, the plan may also contain an outline of the research problem to be undertaken. In some graduate programs, the student and committee meet at a later date to delineate the research project more formally. The plan of study is subject to approval and becomes a formal agreement between student and program faculty regarding the conditions to be met to complete the degree. Any subsequent changes in the plan of study or prospectus can be made only through mutual agreement because of the binding nature of these documents. The responsibility for arbitration rests with the dean of the school or college should a disagreement arise at any time.

Doctoral Degree Coursework Requirements

The doctorate is a research or performance degree and does not depend on the accumulation of credit hours. The three requirements of the degree are admission to candidacy, residency, and completion and defense of a dissertation. The degree signifies that the holder has the competence to function independently at the highest level of endeavor in the chosen profession. Hence, the number of years involved in attaining or retaining competency cannot be readily specified. Rather, it is important that the doctoral student's competency be assessed and verified in a reasonable period of time prior to conferral of the degree, generally five years from the admission to candidacy.

Graduate education, especially at the doctoral level, involves many learning experiences that take place outside the formal classroom setting. These involve observing and participating in activities conducted by the graduate faculty, using departmental and University libraries, attending lectures presented by visiting scholars, informally debating other students, and similar activities. To insure that graduate students experience these kinds of informal learning, doctoral programs at WVU generally require one year in residence in full-time graduate study. However, because of the contractual nature of graduate study, an individual student or graduate committee may propose an alternative plan by which the student can gain equivalent educational experience. For example, the plan of study may require the student to spend time in residence at a national or foreign laboratory, institute, archive, or research center as partial fulfillment of the residency requirement.

Regulations described in the preceding sections governing admission, registration, scholarship, etc., must be followed. In addition, the student must satisfy requirements specified by the faculty responsible for the major field. Students applying for admission to a doctoral program, after having received a master's degree at WVU, must file a new application for graduate work with the Office of Admissions.

Competence in one or more foreign languages may be a requirement in some graduate degree programs. The faculty in the program specifies the language or languages and the level of competence to be demonstrated. Language examinations are arranged by the Department of Foreign Languages. Students should contact the graduate program coordinator or chair in that department for more information.

When only reading competence is required, the foreign language examiner may waive the examination in those cases where the student's transcript shows, at a date that falls no earlier than seven years before promotion to doctoral candidacy, either completion of 12 semester hours or equivalent coursework in an approved foreign language with a grade of B or better in the last three hours or completion of one course at the 300-level with a grade of B or better at WVU.

Promotion to Candidacy

Admission to graduate study and enrollment in graduate courses do not in themselves imply acceptance of the student as a candidate for a doctoral degree. This is accomplished only by satisfactorily passing a comprehensive or qualifying examination (either oral, written, or both) and by meeting specified language and/or other requirements.

A student will be given a comprehensive examination to demonstrate knowledge of the important issues in the field of study, their relation to other fields, and the ability to employ the instruments of research. The examination is intended to determine whether the student has the academic competence to undertake independent research in the discipline and to insure that the student possesses a thorough grasp of the fields outlined in the plan of study. The exam is generally taken as soon as a student has completed the major portion of the course requirement. Successful passage of this examination is the University-wide minimal determination of acceptance to candidacy: it is at this point that the five-year to completion rule begins. Individual degree programs may require additional requirements such as the acceptance of a prospectus, a grant exercise, or other form of student evaluation.

It must be the consensus of the doctoral committee that the student has passed the examination, although the committee may permit one dissenting vote. A single portion of the examination may be repeated at the discretion of the committee, but, if two or more members are dissatisfied, the entire qualifying examination must be repeated. The student must petition through the doctoral committee in order to be permitted to repeat a qualifying examination. Academic tradition does not allow a qualifying examination to be administered more than three times; many units limit administration to two times.

Doctoral Degree Time Limit

Because the qualifying examination attests to the academic competence of the student who will become an independent researcher or practitioner, the examination cannot precede the conferring of the degree by an extended period. Consequently, doctoral candidates are allowed no more than five years in which to complete remaining degree requirements. In the event a student fails to complete the doctorate within five years after admission to candidacy, an extension that may be obtained only by repeating the qualifying examination and meeting any other requirements specified by the student's committee, including the setting of deadlines by which all degree requirements must be completed. A request for an extension of time in order to complete degree requirements should include the following:

- A statement documenting the circumstances that justify the request;
- A statement of the impact the proposed extension would have on the validity of the student's coursework and program; and
- Evidence of endorsement of the request from the student's advisory committee and the office of the dean. Extension requests are made to the Associate Provost for Graduate Academic Affairs, 249 Mountainlair, P.O. Box 6897.

Dissertation Research

The candidate must submit a dissertation pursued under the direction of the faculty of the University on some topic in the field of the major subject. The dissertation must present the results of the candidate's individual investigation and must embody a definite contribution to knowledge. While conducting research or writing a dissertation, the student must register at the beginning of each term or summer during which credit is being earned. No residence credit will be allowed for special field assignments or other work taken off the University campus without prior approval by the associate provost for Graduate Academic Affairs.

Final Examination/Dissertation Defense

The final examination/dissertation defense is not given until the term in which all other requirements for the degree are to be met. After the candidate's dissertation has been tentatively approved, the final oral defense of the dissertation may be scheduled. At the option of the faculty responsible for the degree program, a comprehensive final written examination also may be required. The student's committee chairperson must indicate in advance the time, place, and recommended examining committee members, and receive clearance from the office of the school or college dean before the examination can be given. Such notifications of doctoral examinations/defenses must be received at least three weeks before the examination date. All doctoral final examinations and dissertation defenses are to the public and the university community.

The student cannot be considered as having satisfactorily passed the final examination/dissertation defense if there is more than one unfavorable vote among members of the examining committee. Results of each examination/defense must be reported to the school or college dean within 24 hours. Re-examination may not be scheduled without approval of the request by the school or college dean. All committee members are to be present for the final examination/dissertation defense. One committee member (but not the chair) may attend by audio or videoconference, but should be available electronically during the entire time of the defense. If an examination cannot be scheduled at a time convenient to all committee members, the dean or designee may permit another faculty member to substitute for the original committee member, provided that the original committee member was not the chair. There can be no substitute for the chair. Only one substitute is allowed, and the request for a substitute must be made in writing prior to the examination/defense. The request for a substitute should be signed by the committee chair, the student, and both the original faculty member and the substitute faculty member. A substitute faculty member must have the same or higher graduate faculty status as the original faculty member and represent the same academic discipline or specialization.

Dissertation Submission

The requirements for a doctorate include acceptance of the dissertation and submission of the electronic dissertation. If there is a substitute faculty member scheduled for the final examination, the substitute signs the shuttle sheet; however, the original committee member is to sign printed copies of the dissertation. The dissertation must be presented to the University not later than the last day of classes of the semester or summer session in which the degree is expected to be granted.

The candidate is required to maintain close contact with the supervisor or chairperson of the graduate committee on these matters in developing a dissertation so as to incorporate the special requirements of the subject discipline.

Academic Policies and Procedures

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Academic Integrity and Dishonesty

The academic development of students and the overall integrity of the institution are primary responsibilities of WVU. Academic dishonesty is condemned at all levels of life, indicating an inability to meet and face issues and creating an atmosphere of mistrust, disrespect, and insecurity. In addition, it is essential in an academic community that grades accurately reflect the attainment of the individual student. Faculty, students, and administrators have shared responsibilities in maintaining the academic integrity essential for the University to accomplish its mission.

For the detailed policy of West Virginia University regarding the definitions of acts considered to fall under academic dishonesty and possible ensuing sanctions, please see Board of Governors Policy 31 at bog.wvu.edu/policies and the Student Conduct Code at <http://www.studentlife.wvu.edu/judicial.html>. Note: The University is evaluating the process of academic dishonesty prosecution and appeal and students should contact the Office of Student Life/Student Judicial Affairs for current procedures at <http://www.studentlife.wvu.edu/judicial.html>.

Responsibilities

The integrity of the classes offered and research and scholarship undertaken by any academic institution solidifies the foundation of its mission and cannot be sacrificed to expediency, ignorance, or blatant fraud. Students should act to prevent opportunities for academic dishonesty to occur and in such a manner to discourage any type of academic dishonesty. Faculty members are expected to remove opportunities for cheating, whether related to test construction, test confidentiality, test administration, or test grading. This same professional care should be exercised with regard to oral and written reports, laboratory assignments, and grade books.

Deans and department chairpersons are expected to acquaint all faculty with expected professional behavior regarding academic integrity, and to continue to remind them of their responsibility. Deans and department chairpersons shall assist faculty members and students in handling first-offense cheating allegations at the lowest possible level in the University, and with discretion to prevent damage to the reputation of any person who has not been found guilty in the prescribed manner.

Each member of the teaching faculty and all other WVU employees, including but not limited to assistants, proctors, office personnel, custodians, and public safety officers, shall promptly report cases of academic dishonesty to the appropriate supervisor, department chairperson, or dean of the college or school concerned, and to the Office of Judicial Affairs, Office of Student Life.

Academic Dishonesty Defined

WVU expects that every member of its academic community shares the historic and traditional commitment to honesty and integrity. Academic dishonesty is defined to include, but is not limited to, any of the following:

1. Plagiarism is defined in terms of proscribed acts. Students are expected to understand that such practices constitute academic dishonesty regardless of motive. Those who deny deceitful intent, claim not to have known that the act constituted plagiarism, or maintain that what they did was inadvertent are nevertheless subject to penalties when plagiarism has been confirmed. Plagiarism includes, but is not limited to, submitting, without appropriate acknowledgment, a report, notebook, speech, outline, theme, thesis, dissertation, or other written, electronic, visual, or oral material that has been copied in whole or in part from the work of others, whether such source is published or not, including, but not limited to, another individual's academic composition, compilation, or other product, or commercially prepared paper.
2. Cheating and dishonest practices in connection with examinations, papers, and projects, include, but are not limited to:
 1. Obtaining help from another student during examinations.
 2. Knowingly giving help to another student during examinations, taking an examination or doing academic work for another student, or providing one's own work for another student to copy and submit as his or her own.
 3. The unauthorized use of notes, books, or other sources of information during examinations.
 4. Obtaining an examination or any part thereof without authorization.
3. Forgery, misrepresentation, or fraud includes, but is not limited to:
 1. Forging or altering, or causing to be altered, the record of any grade in a grade book or other educational record.
 2. Use of University documents or instruments of identification with intent to defraud.
 3. Presenting false data or intentionally misrepresenting one's records for admission, registration, or withdrawal from the University or from a University course.
 4. Knowingly presenting false data or intentionally misrepresenting one's records for personal gain.
 5. Knowingly furnishing the results of research projects or experiments for the inclusion in another's work without proper citation.
 6. Knowingly furnishing false statements in any University academic proceeding.

Process to Initiate a Charge of Academic Dishonesty

To initiate and process a charge of academic dishonesty, including plagiarism, cheating, and academic fraud, and/or to begin the process of issuing an Unforgivable F, the instructor must do the following:

1. Notify the student in writing of the charge and the penalty and schedule a conference within five academic days of discovering the infraction. West Virginia University Undergraduate Catalog
2. Meet with the student to discuss the issue, to review all relevant materials, and to complete the Notification of Academic Misconduct (NAM) form (<http://faculty senate.wvu.edu>) as soon as possible but no longer than five academic days following the discovery of the violation.
3. Responsibility/Resolution
 1. If the student accepts responsibility for both the charge and the sanctions, he or she signs the NAM, and the case is closed. Within five academic days of resolution of the case, faculty should make three copies of the NAM form: one for the student, one for faculty records, and one for the Office of Student Judicial Affairs (84 Boreman North, P.O. Box 6430).
 2. If the student does not accept responsibility as charged, he or she may appeal to the chair of the department. If the student and chair reach a resolution, the chair should make three copies of the NAM form: one for the student, one for departmental records, and one for the Office of Student Judicial Affairs (84 Boreman North, P.O. Box 6430). These copies should be distributed within five academic days of resolution of the case.
 3. If the student and the chair do not reach a resolution, the student may appeal to the Student Conduct Board, which is comprised of members of the University Committee on Students Rights and Responsibilities. This appeal must be initiated within five academic days of the student's meeting with the chair.
4. If the student appeals to the Student Conduct Board, a panel of three faculty and two students or any odd number with faculty comprising the majority will be convened, the case will be examined, and a decision will be reached.
5. If the student disagrees with the decision of the Student Conduct Board, he or she may appeal to the provost, whose decision is final.

Appeal Procedures for Cases Involving Academic Dishonesty

Academic dishonesty includes plagiarism, cheating, and dishonest practices in connection with examinations, papers, and projects, as well as forgery, misrepresentation, and fraud. Some cases of forgery, misrepresentation, or fraud that occur outside the context of courses or academic requirements may be referred directly to the Office of Student Life/Judicial Affairs by any member of the University community. In such cases, the Office of Student Life/Judicial Affairs will arrange a hearing following the procedures outlined in the BOG Policy 31.

An Unforgivable F (UF) is a University sanction levied as a result of a violation of the Student Conduct Code Article III (B) 1. Thus, the appeal process for a UF as well as for other cases involving academic dishonesty is different than a standard grade appeal (see above), which follows academic channels that end with a decision by the dean of the college involved. This sanction can be given only after a student has gone through the University student conduct process.

Academic Leave of Absence

WVU offers undergraduate students in good standing, as defined by WVU's uniform suspension policy and not subject to disciplinary action, the opportunity to request an academic leave of absence. The academic leave of absence is designed for the student who wishes to be away from his or her academic endeavors at WVU for one or more semesters, but intends to return at a later date. Leave of absence status must be requested before the beginning of the semester for which the leave is desired. The academic records of students on an academic leave of absence remain in an active status. While on an academic leave of absence, the student retains the right to use certain campus facilities such as the Study Skills Center and Career Services. When a student decides to return to WVU after his or her academic leave of absence, application fees are waived. An overall grade point average of 2.0 on all work attempted while on leave combined with the WVU grade point average is acceptable. While on an academic leave of absence, the student will receive communications from WVU.

Other leaves of absence, such as medical, bereavement, or military leave, may be granted during the semester. Please refer to the Office of the University Registrar's website for more information.

Courses

Most courses taught at WVU extend for one semester, although some extend for two semesters. Credit is not awarded for a course if a student does not attend the whole course. The only exception to this rule occurs if the Committee on Academic Standards decides to grant an exception. Grades reported at the end of the first semester in a two-semester course are merely an indication of the quality of the student's work to that point. Credit is not given for that part of the course completed. Courses taught in the summer sessions carry the same credit value as fall and spring semester courses.

Credit by Examination

A student who is currently enrolled may receive credit for a course or courses upon demonstration of competency in the course content at the discretion of the department. The department offering the course determines evaluation standards for the student's competency. If skill

and cognitive abilities are components of the course, then both are evaluated. Credit is given only when a satisfactory degree of competency is shown.

A college, school, or department may ask a student to prepare a self-evaluation statement. The purpose of the statement is to determine competency and the methods by which the student achieved it. Any student interested in credit by examination should contact the dean in the college or school offering the course.

Dissertation Procedures

Procedural rules for dissertations and theses are found in the *WVU Graduate Catalog* at <http://coursecatalog.wvu.edu/>.

Eligibility to Enroll in 500-level Courses

Junior or Senior students who have at least a 3.0 cumulative grade point average may enroll in courses numbered 500-599 after they complete an Application for an Advanced Undergraduate Student to Enroll in a Course Numbered 500-599 for Undergraduate Credit and have signatures from the instructor, their advisor, and their academic dean. This form may be obtained from their advisor and must be completed prior to enrollment. Seniors wishing to count these courses for graduate credit must complete and have approved a senior petition. Non-WVU students will also be required to submit an undergraduate application for admission and have his or her official transcripts sent to the Office of Admissions from all of the colleges and universities previously attended; the transcript cannot be one sent to the student or by facsimile (fax).

Graduate Credit via Senior Petition

A student may begin graduate study early through the University's senior petition policy. A senior petition form may be obtained from the advisor/department and must be signed by the advisor and the dean of the college granting the student's degree and the dean of the college of the intended graduate degree (if different). An individual from another West Virginia state higher education system school desiring to take a course at WVU must have the form signed by his or her advisor and the registrar. These signatures are necessary to certify that the information contained on the form is correct and that the student has a cumulative 3.0 grade point average. The University has certain policies for a student to enroll in a graduate course for graduate credit. The policies are:

- Senior petition applies only to courses numbered 400–599. Student must be within 12 hours of receiving bachelor's degree, and grade point average must be at least 3.0 on a 4.0 scale.
- Student can receive only 12 graduate hours through the senior petition.
- Student must have the proper signatures on the senior petition by the time of enrollment in the petitioned courses.
- Return the approved senior petition to the Office of the University Registrar. It is kept on file so that the student receives graduate credit for these courses on the permanent record. The dean of the college or school in which the student is taking graduate courses must approve any exceptions to the policy.

Note: If you receive graduate credit for a course, the credit for that course does not count for your undergraduate degree

Evaluation of Student Progress

Progress is evaluated by a variety of methods. The measurement and evaluation of learning are consistent with the objectives of the course and provide the opportunity for the student and instructor to evaluate progress. The University discourages evaluation by final examination only. The student is responsible for all materials presented or assigned in scheduled instructional sections. Students who do not complete all assigned work may earn an incomplete (I) or a failing grade (F). A grade of incomplete (I) requires a written contract between the student and instructor and must include a timeline of no more than one semester.

Experiential Learning

Each academic unit has a policy of general applicability controlling the allocation of credit for ad hoc experiential learning. No credit shall be granted for ad hoc experiential learning that is not sanctioned by an approved policy. At a minimum, each discipline shall adhere to accreditation standards of that discipline with respect to credits given toward student advancement based on experiential learning. There should be an equivalence in quantity and quality of ad hoc experiential learning effort and conventional academic effort for a set amount of credit within a discipline. Credit awarded for experiential learning will be posted as transfer work to West Virginia University with the course number of three zeros (000). The course prefix will vary by department granting credit. Credits applied to a student's record through experiential learning will count in degree (or earned) hours. No formal grade will be entered.

West Virginia University Policy on the Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) of 1974 is a federal law that states that: (a) a written institutional policy must be established and (b) a statement of adopted procedures covering the privacy rights of students be made available. The law provides that the institution maintain the confidentiality of student educational records.

West Virginia University accords all the rights under the law to students who are declared independent. No one outside WVU shall have access to nor will WVU disclose any information from students' educational records without the written consent of students, except to personnel within WVU and the West Virginia Higher Education Policy Commission, persons or organizations providing students' financial aid, accrediting agencies carrying out their accreditation function, persons in compliance with judicial order, organizations conducting studies for, or on behalf of, education agencies or institutions for the purpose of developing, validating, or administering predictive testing student aid programs, and improving instruction, and persons in an emergency in order to protect the health or safety of students and/or other persons. All these exceptions are permitted under the act.

FERPA also permits disclosure of information from students' educational records, without the written consent of students, to parents of a dependent student of such parents, as defined in Section 152 of the Internal Revenue Code of 1954, as amended. West Virginia University considers all students as "dependent" for purposes or disclosure of information to parents unless the students specifically notify in writing the Office of The University Registrar that they are not a dependent of their parents for federal income tax purposes. Students need to give such written notification only once.

The West Virginia University Policy on the Family Educational Rights and Privacy Act explains in detail the procedures to be used for compliance with the provisions of the act. Copies of the policy can be found in the offices of all deans and directors. The offices of the deans and directors can inform students as to the locations of all education records maintained on students by West Virginia University.

Finals

The last week of each semester of the academic year is designated as finals week. Final examinations for the summer term are given on the last day of classes. The website <http://registrar.wvu.edu/> gives the dates and times for final examinations. (See specific term Course Registration Information link for further information.)

Students who take a section of a multi-section course may be required to take the departmental final examination, given during the regular final examination period.

Last Week of Classes

Practical laboratory tests, make-up examinations, and regularly scheduled short quizzes are the only tests permitted for day classes during the week of classes preceding finals week unless the faculty member petitions the associate provost for Undergraduate Academic Affairs and the petition is approved by the beginning of the second week of the semester in which the final exam is to be given. Evening classes have their final exams on the last meeting of the class preceding finals week.

Grading System

Grade	Description
A	Excellent (Given only to students of superior ability and attainment)
B	Good (Given only to students who are well above average but not in the highest group.)
C	Fair (Average for undergraduate students.)
D	Poor but passing (Cannot be counted for graduate credit.)
F	Failure
I	Incomplete
W	Withdrawal from a course before the date specified in the University calendar.
P	Pass (See Pass/Fail grading below.)
X	Auditor, no grade and no credit.
CR	Credit but no grade.
PR	Progress; final grade to be issued at end of the second semester (HSC)
S	Satisfactory
U	Unsatisfactory (Equivalent to F.)
H	Honors course (Professional school courses only.)
IF	Incomplete grade not removed by next regular term (Computed as an F.)
UF	Unforgivable F (Not eligible for D/F repeat policy.)

Note: Grades that are not reported by faculty at the end of a term will be designated with an NR on the official transcript. Grades that are not reported will become an F at the conclusion of the next semester if a final grade is not submitted.

Auditors

An auditor may register for courses and must pay full fees but does not receive credit for the course. A student who audits a course must let one semester pass before enrolling in the course for credit. A student may change his or her status from audit to grade or grade to audit only

during the registration period. Attendance requirements for auditors are determined by the instructor of the course. The instructor may direct the Office of the University Registrar to remove an auditor from a class list or grade report if attendance requirements are not met.

Grade Points

Each letter grade has a numeric value. Grade points are based on this number value and the credit hour value of the course.

- A- 4
- B- 3
- C- 2
- D- 1
- F- 0
- I- 0
- U-0

The grade point average is computed on all work for which a student registers, with the following exceptions:

- Courses with a grade of W, P, S, and X carry no grade value. The grade of incomplete (I) initially carries no grade value.
- The grade of I is given when the instructor of the course believes that the work is unavoidably incomplete or that an additional examination is justified. There must be a written contract between the student and instructor, including a timeline for completion of the work. To remove the grade of I, a student does not register for the course again; instead he or she arranges to submit incomplete or supplemental work to the original instructor of the course.
- When a student receives the grade of I and the incomplete grade is later removed, the grade point average is calculated on the basis of the new grade. If the I grade is not removed within the next semester, the grade is treated as an F (failure). The Academic Standards Committee of the appropriate college or school may allow a student to postpone removal of the I grade if the student can justify a delay.

If a student is working toward teacher certification, he or she is responsible for every registration in a course in which the grade of A, B, C, D, F, P, X or I is received.

Grade Point Average

All academic units of the University have minimum standards of scholastic quality that must be met or exceeded. Grade point average (GPA) is computed on grades earned in courses taken at WVU and institutions in the West Virginia system of higher education only. To be eligible to receive a baccalaureate, a student must have a GPA of at least 2.0 at the time of graduation. Some degree programs require a higher grade point average overall or in the major courses. GPA is based on all work for which a student received a letter grade other than W, and P. See D/F Repeat Policy.

Students are responsible for knowing their grade point standing and can obtain the necessary information from their advisor or the dean of their college or school. GPA is determined according to the method described in the section on grade points.

GPA Calculation

1. Students need to know how to calculate their overall and semester grade point averages. The following example shows how to do it. Assume you are registered for 16 hours and receive the following grades in these courses:
 - A. English 101 – B
 - B. Mathematics 126 - A
 - C. Geology 101 - C
 - D. Political Science 101 - B
 - E. Spanish 101 - D
 - F. Psychology 201 - P
2. Course, Credits, Grade, Value, Credits x Value, Grade Points Earned
 - A. English 101, 3, B, 3, $3 \times 3 = 9$
 - B. Geology 101, 3, C, 2, $3 \times 2 = 6$
 - C. Spanish 101, 3, D, 1, $3 \times 1 = 3$
 - D. Mathematics 126, 3, A, 4, $3 \times 4 = 12$
 - E. Political Sci. 101, 3, B, 3, $3 \times 3 = 9$
 - F. Psychology 201, 1, P, 0, $1 \times 0 = 0$
3. Multiply the credit by the grade value to get the grade points earned for each course
4. Add the total grade points, in this case, 39.

5. Divide the total grade points earned by the total credit hours with a grade value. Remember that P grades have no grade value, so in this case, there are 15 credit hours for the GPA calculation: 39 divided by 15 = grade point average of 2.6.

Final Grade Appeal Procedures (Not Involving Charges of Academic Dishonesty), including Dismissal from an Academic Program

Students have the right to appeal final course grades which they believe reflect a capricious, arbitrary, or prejudiced academic evaluation, or reflect discrimination based on race, sex, age, handicap, veteran status, religion or creed, sexual orientation, color, or national origin. The grade appealed shall remain in effect until the appeal procedure is completed or the problem resolved. This procedure provides a mechanism whereby a student may appeal a failing grade or a grade low enough to cause the student to be dismissed from some program or to require the repetition of a course. Grade appeals that do not meet this classification are not precluded.

Step 1 - The student shall discuss the complaint with the instructor involved **prior to the mid-semester of the succeeding regular semester**, whether the student is enrolled or not. If the two parties are unable to resolve the matter satisfactorily, if the instructor is not available, or if the nature of the complaint makes discussion with the instructor inappropriate, the student shall notify the chairperson of the instructor's department or division (or, if none, the dean). The chairperson or dean shall assume the role of an informal facilitator and assist in their resolution attempts. If the problem is not resolved within **five academic days** from when the complaint is first lodged, the student may proceed directly to Step 2.

Step 2 - The student must prepare and sign a document that states the facts constituting the basis for the appeal **within five academic days from when the original complaint was lodged**. Copies of this document shall be given to the instructor and to the instructor's chairperson (or, if none, to the dean). If, **within five academic days of receipt of the student's signed document**, the chairperson does not resolve the problem to the satisfaction of the student, the student will forward the complaint to the instructor's dean (see Step 3).

Step 3 - **Within five academic days of receipt of the complaint**, the instructor's dean shall make a determination regarding the grade, making any recommendation for a grade change to the instructor involved. If the instructor involved does not act on the dean's recommendation, or if the student disagrees with the decision of the dean, the dean will refer the case to a representative committee, appointed by the dean, for final resolution. This committee shall consist of three or more faculty members, including at least one person outside the instructor's department.

1. Upon receiving an appeal, the committee will notify in writing the faculty member involved of the grade challenge, which shall include a statement of the facts and evidence to be presented by the student.
2. The committee shall provide to the faculty member involved and the student making the appeal written notification of their right to appear at a hearing to be held before the department, college, or school representative committee, together with the notice of the date, time, and place of the hearing.
3. The administrative procedure is not adversarial in nature; the formal rules of evidence do not apply.
4. The final decision of this committee shall be forwarded to the instructor and to the dean involved. If the decision requires a change of grade, the instructor shall take action in accordance with the committee's decision.
5. If the instructor does not act within five academic days, the dean shall make any necessary grade adjustment.
6. In the case of grade appeals, the dean functions as the president's designee; therefore, implementation of this decision shall end the appeal procedure.

Pass/Fail Grading

Pass/fail grading encourages students to take elective courses not related to their degree concentrations. Pass/fail grading also facilitates grading in competency-based courses that may be an integral part of an academic program.

Any full-time student who has completed 15 hours or more and who has maintained a 2.0 grade point average may take a maximum of four hours each semester or summer term on a pass/fail basis. Any course taken on a pass/fail basis must be a free elective. Students are limited to a total of 18 hours of pass/fail credit in the collegiate career. Unless otherwise indicated, courses in the major, courses in other subjects that are required by the major, and courses taken to satisfy University, college, school, or departmental requirements are excluded from pass/fail. For example, courses elected to satisfy the General Education Curriculum (GEC) or foreign language requirements may not be taken for pass/fail grading.

A course taken on a pass/fail basis is graded as a graded course. The instructor turns in the appropriate letter grade to the Office of the University Registrar. This letter grade is then converted to a P on the basis of A, B, C, or D for a pass and F for a fail. The grade of P does not affect your grade point average. However, any F grade affects a student's grade point average whether it is a regular grade or a pass/fail grade.

A student chooses the option of pass/fail grading for a course during the registration period. Once the registration period has ended, he or she may not change the grade status in the course.

A department or unit may designate any performance- or competency-based course as exclusively pass/fail. To institute this, the college or school must have the approval of the Faculty Senate. Courses offered only as pass/fail are not included in the maximum of 18 hours that may be freely elected as pass/fail under the student option.

Incompletes

The grade of I is given when the instructor believes that the coursework is unavoidably incomplete or that a supplementary examination is justifiable. Before any graduate degree can be awarded, the grade of I must be removed either by finishing the incomplete or by having it recorded as a permanent incomplete. Only the instructor who recorded the I or, if the instructor is no longer at WVU, the chairperson of the unit in which the course was given may initiate either of these actions. When a student receives a grade of incomplete and later removes that grade, the grade point average is recalculated on the basis of the new grade. If you do not remove the I grade within the next semester, the grade of I is treated as an F (failure). The Academic Standards Committee of the appropriate college or school may allow you to postpone removal of the I grade if you can justify a delay.

In the case of withdrawal from the University, a student with a grade of I should discuss that grade with the appropriate instructor.

Grade changes other than "I" to a letter grade must be accompanied by an explanatory memo.

Grade Reports

During the seventh week of classes in the fall and spring semesters, instructors submit a grade for all undergraduate students earning grades of D or F in undergraduate courses. These grades are used for counseling, are not recorded on the student's official transcript, and disappear from the computer system after the semester is completed. These grades are sent first to the Office of the University Registrar and then to the student via MIX, the student's advisor, and the dean of the college or school in which the student is enrolled.

Final grades are due to the Office of the University Registrar within 48 hours after the end of the University's final examination and are viewable to students within one week of submission to the Office of the University Registrar.

At the end of each semester, grades are available through MIX.

Joint Graduate/Professional Programs

Any student who is in a professional program such as MD, DDS, JD, PharmD, etc. would be eligible to take graduate courses so long as the student meets normal requirements for admission to the course (e.g. course pre-requisites, appropriate major code if courses are limited to certain majors, etc.).

Military Credit/Leave

Awarding Course Credit to Students Called to Serve in the Military (Updated July 28, 2010)

1. Students who withdraw from the University for military service up to and including the 12th week of the semester will receive a full refund of their fees and be administratively withdrawn from their classes. No course grades or credit will be awarded.
2. Students who leave the University for military service after the 12th week of the semester should work with the designated contact person in their home college (usually the academic associate/assistant dean). The student may also contact the Office of the University Registrar (304-293-5355). The contact person will assist the student in reviewing the student's eligibility for credit for their courses on a course-by course basis with the instructors.
3. The contact person will work with the student's instructors to gather grade information for the student. If the course is not in the student's home college, the contact person can work with his/her counterpart in the appropriate college. Several outcomes are possible:
 - A. If the course is substantially complete and the student has done passing work, the student should receive the grade earned at that time. It is anticipated that this would be the outcome in the majority of the courses. **NOTE: Students who receive orders with sufficient advance notice are expected to notify their professors of their upcoming deployment date and meet with their professors to come to an agreement on what regular course assignments they can reasonably complete prior to the deployment date (the details of this arrangement should be included in a contract initialed by both the instructor and the student; contracts must be placed in the student's file.) Students should not be penalized for not completing assignments, quizzes, test or exams due after their deployment date.**
 - B. If a critical competency has yet to be covered in a competency-based course, the instructor should award a grade of "I" and work with the student to develop a plan to complete that critical part of the course. To alleviate confusion at a later date, the plan should be in writing and signed by both the instructor and the student. Students called to active duty for a relatively short duration that includes exam week may arrange for an "I" with provision to make up the final exam after completing the period of duty.
 - C. If the student chose to withdraw from the course, the contact person will work with the appropriate University Office to provide an administrative withdrawal.

Leave for Military Drill

Many students at West Virginia University choose to serve in the military while pursuing their degrees. West Virginia University is a "Veteran Friendly" institution and recognizes its obligations to our students who serve in the military. Although there is a university expectation that all students will attend all of their classes, the choice to serve in the military where two week training sessions may be mandatory should not negatively impede academic progress. The following section outlines the appropriate steps to follow should you miss class due to call ups for military service training during a semester. A typical call up is 1-2 weeks.

If you are a student with the potential for being called to military training during the course of the semester or academic year, we recommend that you review the syllabi for specific attendance policies for each course prior to the beginning of every semester. In addition, we strongly encourage you to meet with or have substantial email contact with all of your course professors and/or instructors no later than the Monday of the first week of class in order to address the class attendance policy and the impact a short-term military leave will have on your ability to succeed in the class for the semester. Any agreements between you and your professors should be agreed upon by the end of the first week of class. Share this information with your academic advisor so the appropriate notes are made in DegreeWorks.

In the rare case that an unresolved issue arises due to absences from a course because of military obligation, the West Virginia University process for final grade appeal is outlined under the "Final Grade Appeal Procedures" in the West Virginia University Undergraduate Catalog.

In the spirit of WVU, faculty make every effort to allow students who are members of the Armed forces to make up test and assignments that may be missed during the semester if it can be proven that the student was called up for military training; and if missing the coursework will not irreversibly impact the students' ability to master the subject matter in question within the terms of the semester.

Research Policy Guidelines

Research Involving Animals or Human Subjects

Any graduate student who conducts research with experiments using animals must have a protocol approved by the Animal Care and Use Committee before starting the research. Information about procedures and protocol forms may be obtained from the Office of Sponsored Programs.

Any graduate student who conducts research involving human subjects must have the approval of the Institutional Review Board for the Protection of Human Subjects before starting the research. Information about procedures and approval forms may be obtained from the Office of Sponsored Programs, 886 Chestnut Ridge Road, Morgantown, WV 26505-6845, (304) 293-3998.

Research Integrity at West Virginia University

Integrity in research and scholarship is an obligation of all who engage in the acquisition, application, and dissemination of knowledge. Research and scholarly work by West Virginia University faculty, staff, and students are governed by Policy and Procedures for Responding to Allegations of Misconduct in Research and Scholarship at West Virginia University. This policy can be found at osp.research.wvu.edu/policies_and_regulations/institutional_policies/misconduct.

All members of the University community are obligated to report observed, suspected, or apparent misconduct in research. Reports should be made to the University's research integrity officer, WVU Office of Research (304) 293-2867. Regular reviews of the status of research integrity at WVU are conducted by the Research Integrity Policy Committee.

University Patent Policy

West Virginia University is committed to supporting faculty members and staff in all matters related to patents based on discoveries and inventions created solely or jointly by them. This policy encourages and aids research at the University, provides financial compensation and professional recognition to inventors, and protects and serves the public interest.

The University recognizes that discoveries and inventions may, and frequently do, include equities. The use of University facilities, equipment, personnel, supplies, or services, the particular assignment of duties or conditions of employment, the possible claims of a cooperating agency, as in research supported from extramural funds, and other situations may give rise to complex rights involving the inventor, the University, and a sponsoring agency. Such rights must be evaluated and an agreement reached on their appropriate disposition. Policies and procedures involving the rights and obligations of the University, its sponsors, and its inventors with respect to inventions resulting from research, development, or other work performed at the University are overseen by the Office of Technology Transfer and can be obtained at <http://www.wvu.edu/~research/techtransfer/policy>.

Summer Sessions

WVU has one summer term, which begins in the middle of May and ends the second week of August. Requirements for admission and work performance for the summer term are the same as for the regular semesters. Courses are offered in a variety of time frames, e.g., one-week, three-week, six-week, and 12-week.

A student may earn credit toward a baccalaureate, master's, doctoral, or professional degree in the summer term. Summer offerings vary from year to year.

Visitors

Full-time University students may attend classes as visitors. To visit a class, the student must have permission in writing from his or her advisor and the instructor of the course. A member of the administration, teaching staff, or other regular University employees may attend classes as visitors. These individuals must have written permission from their department and the instructor of the class. A visitor does not receive credit for a class and may not apply for credit by exam in a class in which he or she was a visitor.

Withdrawal Policy

There are two types of withdrawals: withdrawal from individual courses for which a student has registered, and a complete withdrawal from the University. Deadlines for withdrawals for each semester are available at http://registrar.wvu.edu/current_students/withdrawal_policies. If students follow all established University procedures and withdraw before the published deadline, they will receive a W on their transcript. The grade point average is not affected in any way by this mark. If formal withdrawal procedures are not executed by the student, a failing grade/s will be recorded. It is the student's responsibility to see that all forms are properly executed and delivered to the appropriate authorities for recording.

Withdrawal/Drop From Individual Classes

Students may drop individual classes within a term based on established deadlines. These deadlines are posted on the Office of the University Registrar's website. Students, with the help of their academic advisors, are responsible for determining:

- If their course load would be reduced below the minimum requirement set by their program
- If their course load would be reduced below the minimum hours required to qualify for a graduate assistantship, financial aid, or international full-time student status
- If the course to be dropped is a co-requisite for another course the student is taking or a prerequisite for a course required the following semester, the student may be required to drop the co-requisite course or asked to take a substitute course the following semester.

Withdrawal From All Classes for the Term

Students may withdraw from WVU for the term in which they are enrolled at anytime before the last day of classes of the term on which regular classes are scheduled to meet. Students will receive grades of W in all classes for that term.

Procedures

1. To withdraw from all classes through the last day to drop a class with a W, a student would log on to their MIX account and drop their classes through STAR.
2. To withdraw from the term after the last day to drop a class with a W, you may do any of the following:
 - A. Visit the Office of the University Registrar.
 - B. Send an e-mail from your MIX Account only to registrar@mail.wvu.edu. Please include:
 1. full name
 2. last four digits of your student identification number
 3. reason for your withdrawal
 4. address
 5. telephone number
 - C. Mail a request to Office of University Registrar, West Virginia University, P.O. Box 6009, Morgantown, WV 26506. Please Include:
 1. full name
 2. student identification number
 3. reason for your withdrawal
 4. address
 5. telephone number
 6. signature
 - D. Fax a request to (304) 293-8991. Please include:
 1. full name
 2. student identification number
 3. reason for your withdrawal
 4. address

5. telephone number
6. signature

Important Notice: Financial aid recipients who withdraw from all classes before 60 percent of the term is completed may be required to return a portion of any financial aid that was received for the term. Students who do not receive at least one passing grade for classes in a term must provide documentation which verifies continued participation in educational activities. If documentation cannot be provided, those students are considered to have informally withdrawn from WVU prior to 60 percent of the term and may be required to return a portion of any financial aid which was received. This review and return of financial aid is done in accordance with federal regulations.

Re-Enrollment After Withdrawal

After a student withdraws from WVU in two consecutive semesters (excluding summer sessions), a student may not register for further work without approval of the dean of the college or school in which the student wants to register, subject to conditions set by that dean. In the case of a general studies major, the student must seek approval from the director of the Undergraduate Advising Services Center.

Academic Standards

The University retains its right to suspend, readmit, expel, or place students on probation according to its best judgment regarding student conduct. Each college or school and the Undergraduate Advising Services Center shall also have authority to suspend, expel, reinstate, or place students on probation according to its best judgment with regard to students' academic statuses and conduct. The probation, suspension, reinstatement, and expulsion policies shall become effective when approved by the dean of the respective college or school or the Undergraduate Advising Services Center. In exercising its authority, the college or school or Undergraduate Advising Services Center shall not suspend a student during a semester except for willful neglect. No suspension shall become effective until approved by the dean of the college or school or the Undergraduate Advising Services Center.

Committee on Academic Standards

The Committee on Academic Standards of each college or school shall have authority to proceed according to its best judgment in regard to students referred to it for consideration. All orders of the committee shall become effective when approved by the dean of the college or school. In exercising its authority, the committee shall not suspend a student during a semester except for willful neglect and in cases where the student's class grades are so low that further class attendance would be a waste of time. No suspension shall become effective until approved by the dean of the college or school.

HSC Appeal of Dismissal—Failure to Meet Academic Standards

The procedures and appeals described here do not apply to dismissal as a sanction for academic dishonesty. The time limitations stated herein are suggested in order to render a decision as expeditiously as possible. In the case of University holidays or absence of person(s) involved, reasonable delays may be expected.

A decision to dismiss a student for failure to meet academic standards (as distinguished from academic dishonesty) can be made only after the student has been counseled by the appropriate departmental committee or representative, with counseling to take place as soon as possible after discovery of the problem. After the student is given a reasonable opportunity to correct deficiencies, there shall then be a formal review of the student's status by the appropriate departmental or program committee to determine whether the student shall be retained or dismissed. The student may provide the committee written documentation of his or her efforts to correct deficiencies.

A committee recommendation for dismissal, including any documentation provided by the student to the committee, shall be forwarded to the student's dean and to the student. Within 15 calendar days of receipt of the committee's recommendation, the dean shall inform the student and the student's department or program of his or her decision. A decision to dismiss shall specify whether the dismissal is from the program or college or school. The dean may also dismiss a student from the institution if the student does not meet institutional standards.

Step 1

The student shall prepare and sign a document which states the facts constituting the basis for the appeal. A copy of this document must reach the dean within 30 calendar days of receipt of written notice of dismissal. The student shall be given an opportunity to discuss the appeal with the dean at any time in Step 1. If the matter is not resolved satisfactorily within 15 calendar days of the dean's receipt of the student's appeal, the student may proceed to Step 2.

Step 2

The student will forward a copy of the appeal to the appropriate vice president within 15 calendar days of failure to resolve the matter at the dean's level. Prior to the decision of the vice president, the student will be given an opportunity to discuss the appeal with the vice president. The decision of the vice president, as the president's designee, shall be rendered within 15 days of receipt of the student's appeal and is final.

HSC Appeal of Dismissal—Failure to Meet Academic Requirements or Performance Standards

Dismissal, based on failure to meet academic requirements or performance standards irrespective of grades or grade point average, from, graduate programs, professional programs, and/or from the institution, may also be appealed. Students have the right to appeal academic dismissal based on requirements or standards other than grades or grade point average which they believe reflect capricious, arbitrary, or prejudiced academic evaluation, or reflect discrimination based on race or color, sex, sexual orientation, veteran status, religion, age, disability, national origin, creed, ancestry, or political affiliation.

Step 1

The student shall prepare and sign a document which states the facts constituting the basis for the appeal. A copy of this document must reach the dean within 30 calendar days of receipt of written notice of dismissal. The student shall be given an opportunity to discuss the appeal with the dean at any time in Step 1. If the matter is not resolved satisfactorily within 15 calendar days of the dean's receipt of the student's appeal, the student may proceed to Step 2.

Step 2

The student will forward a copy of the appeal to the University Committee on Student Rights and Responsibilities, which, within 15 calendar days of receipt of the student's appeal, will arrange a hearing using the following procedures:

- All parties involved shall receive written notice of date, time, and place of hearing.
- The student may be advised by a person of his or her choice from the institution; likewise, the academic officer recommending academic dismissal may have an advisor from the institution. Such advisors may consult with but may not speak on behalf of their advisees or otherwise participate directly in the proceedings unless they are given specific permission by the University Committee on Student Rights and Responsibilities chairperson.
- The administrative procedure is not adversarial in nature; the formal rules of evidence do not apply.
- Witnesses may be called by any of the parties involved.
- A record of the appeal shall be prepared in the form of summary minutes and relevant attachments and will be provided to any of the parties involved upon written request.

The University Committee on Student Rights and Responsibilities will reach a decision within seven days. The committee's recommendation for dismissal must be reviewed by the appropriate vice president, who may confirm or remand the recommendation with specific instructions. Prior to the decision of the vice president, the student will be given an opportunity to discuss the appeal with the vice president. Within 15 calendar days of a recommendation for dismissal confirmed by the vice president, the student may appeal to the president. The decision of the president is final.

Dismissal

Dismissal from a graduate or professional program may be based on program and/or professional performance standards other than cumulative grade point average. Reasons must be based on catalog and other written documents describing academic and professional performance standards and expectations.

Procedures

- Counseling by departmental committee or representative as soon as possible after discovery of problem.
- Second counseling by departmental committee or representative after opportunity to improve if performance is not changed sufficiently.
- Formal review of student status by department or program committee. The formal review will result in one of the following actions:
- Student retained or recommended for dismissal.
- Counseling or remediation required as a condition of retention.
- Appeals available if dismissal recommended.
- A dismissal decision by the dean of the student's school or college may be appealed to the University conduct/appeals committee which will hold a hearing using the following procedures:
- The student may be advised by a person of his or her choice to assure due process protection not to affect the outcome of the proceedings. The advisor may consult with the student but shall not speak on behalf of the student or participate directly unless granted specific permission by the University conduct/appeals committee.
- The formal rules of evidence do not apply.
- The administrative procedure is not adversarial in nature.
- Witnesses may be presented and examined under oath.
- An accurate record of the procedure is to be kept. The student may request a transcript of the proceedings at the student's expense.
- An academic appeals committee has the right to counsel in those proceedings in which the student has retained counsel. Such counsel may not speak on behalf of the institution or otherwise participate directly in the proceedings.

- A decision for dismissal must be reviewed by the appropriate academic vice president who may confirm or remand the recommendation with specific instructions.
- Recommendation for dismissal confirmed by the appropriate academic vice president may be appealed to the president. The decision of the president is final.

Absences

Class attendance contributes significantly to academic success. Students who attend classes regularly tend to earn higher grades and have higher passing rates in courses. Excessive absences may jeopardize students' grades or even their ability to continue their courses.

Attendance Policies Instructors must set attendance policies that are appropriate for the goals and instructional strategies of their courses. Instructors may include attendance records in determining the final course grade. All attendance policies that affect students' grades must be announced in writing within the first week of class. Moreover, instructors are responsible for keeping accurate enrollment records, and for keeping accurate attendance records when attendance is used in grading. Attendance policies thought to violate the statement on student attendance should be discussed with the instructor, then with the department chair, and finally the college dean, if necessary.

Class Absences Students who are absent from class for any reason are responsible for all missed work and for contacting their instructors promptly, unless the instructors' policies require otherwise. However, instructors cannot require documentation of student illness from any medical provider as part of an attendance, since medical conditions are confidential and frequently not verifiable.

Make-Up Examinations Students absent from regularly scheduled examinations because of authorized University activities will have the opportunity to take them at an alternate time. Such make-up examinations should be of comparable difficulty to the original examination.

Students in courses with regularly scheduled evening examinations shall have the opportunity to make up these examinations if they miss them in order to attend a regularly scheduled class that meets at the same time. Such make-up examinations should be of comparable difficulty to the original examination.

Attendance at a regularly scheduled evening examination will not excuse a student from a regularly scheduled class that meets at the same time as the examination.

Days of Special Concern Instructors are urged not to schedule examinations or field trips on "days of special concern" that are identified in the Schedule of Courses.

Time Limitations

All requirements for a master's degree must be completed within eight years preceding the student's graduation. All students pursuing an M.S. degree in the MAE department are required to engage in research, and complete and defend successfully an M.S. thesis. They should identify a subject for their M.S. thesis research, form a three-member Advisory and Examining Committee, and file a plan of study by the end of their second semester of enrollment in the graduate program. A minimum of 24 credit hours of coursework and six credit hours of M.S. thesis research is required for the M.S. degree. Students must pass a final examination administered by their Advisory and Examining Committee before being certified for the degree.

Admissions

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WVU Transient Students

In order to take a course or courses at another school, a student must have written approval from his or her advisor, dean, and director of admissions or designee. To receive such approval, a student must have an overall 2.0 grade-point average. All approved college-level work is accepted for transfer from accredited institutions, provided the above requirements have been met. To view a list of schools and courses already reviewed, visit <http://tes.sa.wvu.edu/>. In addition, an official transcript must be received by the Office of Admissions before any coursework can be counted toward degree requirements.

Advanced Placement Program (AP)

WVU encourages you to work to your full capacity and to earn your degree at your own learning speed. As a high school junior or senior, you can take college-level courses at your school in conjunction with the College Entrance Examination Board (CEEB). The Advanced Placement Service administers three-hour examinations to show competency equal to that received by taking the actual college course. The chart can be found at the WVU Office of Admission's website: <http://apply.wvu.edu/admissions/freshmen/credits.aspx>.

College Level Examination Program (CLEP)

If an incoming student has gained a significant level of maturity through life experiences, he or she may receive college credit for those educationally-related experiences through the College Level Examination Program (CLEP) of the CEEB. A policy of the WVU Board of Governors allows University credit to be awarded for successful completion of hours of general education or elective credit may be earned for successful performance on the CLEP general examinations. Although this program was designed primarily for adults, exceptionally well-qualified high school seniors may use the CLEP program. The chart at the WVU Office of Admission's website: http://adm.wvu.edu/freshman/ap__clep_and_ib indicates the areas for which WVU grants credit based on the minimum scores required. It should be noted that no student is eligible for CLEP credits after he or she has enrolled at WVU.

A student with at least one year of active military service may receive college-level credit by submitting a copy of his or her DD214 or a Sailor/Marine/ACE Registry Transcript (SMART) or Army/ACE Registry Transcript System (AARTS) transcript. The chart can be found at http://adm.wvu.edu/freshman/ap__clep_and_ib.

International Baccalaureate (IB)

West Virginia University welcomes applications from students who have attended high schools that offer the international baccalaureate program. Credit given varies with level (standard or higher) and with score. The chart can be found at <http://apply.wvu.edu/admissions/freshmen/credits.aspx>.

Undergraduate and Professional Programs

Admission

To apply for admission to the various schools of the Health Sciences Center, go to: http://adm.wvu.edu/home/health_sciences_students

Questions can be directed to the Health Sciences Admissions office at 304-293-3521.

Because we are primarily a group of professional schools and most of our applicants are enrolled in undergraduate studies at a residential college or university, we remind students to include their permanent home address with requests for application forms.

Specific entrance requirements for all Health Sciences programs are detailed in the section pertaining to each program. For information about freshman, transfers, and international admission to West Virginia University, please refer to the WVU Undergraduate Catalog.

During the first semester of the first year at the WVU Health Sciences Center, we require that students complete certain prescribed immunization and diagnostic procedures.

Application Fees

Application fees for dental hygiene, medical laboratory science, nursing, and occupational therapy are \$25 for residents of West Virginia and \$45 for non-residents. Application fees for dentistry, doctor of physical therapy, and doctor of pharmacy are \$50. Application fee for medicine is \$100.

When accepted into one of our programs, students are asked to pay a deposit to make their acceptance official. These deposits are applied toward the first semester's tuition. If a student pays a deposit but does not enroll, a written request for refund must be received. Deposit amounts and refund deadlines vary and are subject to change.

Second or Multiple Bachelor's Degree

To earn a second baccalaureate degree, students must earn at least 30 credits beyond the requirements for the first degree. All requirements, departmental and otherwise, must be satisfied for the second degree. A second bachelor's degree cannot be earned if a student has not met the University's residence requirement. (See Residence Requirements.)

If a student wishes to earn two baccalaureate degrees at the same graduation date, then a student must satisfactorily complete a minimum of 158 credits and meet all requirements, departmental and otherwise, of both degree programs. Admission must be granted from both programs.

Classification of Students

WVU undergraduates are classified as freshmen, sophomores, juniors, or seniors. These classifications are based upon the number of hours completed. The classifications are as follows: Pre-Defined Table

Classification	Hours
Freshman	1-28 hours, inclusive
Sophomore	29-58 hours, inclusive
Junior	59-88 hours, inclusive
Senior	89 or more semester hours

Academic Forgiveness Policy

WVU allows an academic forgiveness to some students who are not successful in their first attempt at higher education.

To be eligible, a student cannot have been enrolled at a West Virginia state system of higher education institution for at least five calendar years and cannot have been enrolled in any other institution of higher learning during those five years. In order to determine eligibility, students must complete the Academic Forgiveness Form which is available at the Office of Admissions.

The conditions and rules of the academic forgiveness policy are as follows:

- Admission to WVU under the Academic Forgiveness Policy is conditional upon satisfying the above stated non-enrollment period. In addition, a recommendation that the student be admitted under the academic forgiveness policy must be submitted by the dean of the college or school that the student plans to enter, and the recommendation must be approved by the Office of the Vice President for Academic Affairs.
- Upon admission to WVU under this policy, the student will be credited with the hours earned for courses completed with a grade of D or higher.
- Grades earned during any prior enrollment period will not be counted for purposes of calculating the student's grade point average, but grades earned will remain on the student's permanent record.
- The student must meet and complete all coursework required to meet the college or school's requirements for graduation, but under no circumstances after the student has been admitted under the Academic Forgiveness Policy shall the student complete fewer than 64 credit hours prior to earning a degree.
- A student admitted to WVU under this policy will follow all regulations regarding probation, suspension, and expulsion.

Graduate Programs

Health Sciences Center Graduate Council

The Health Sciences Center Graduate Council advises the vice president for Health Sciences. In this role the council monitors and administers the graduate studies policies of the schools located at the Health Sciences Center.

Application and Admission

Prospective graduate students are urged to initiate application for admission as early as possible. The first step of a student interested in a degree program should be to ask for information from the department, division, school, or college offering the program desired; the reply to such an inquiry will include instructions for applying to the particular program.

Application for admission to graduate study must be made online or on standard forms provided online at <http://admissions.wvu.edu/graduate>. If using a paper application, the completed form may be returned to the Office of Admissions, PO Box 6009, West Virginia University, Morgantown, WV 26506, and must be accompanied by payment of a nonrefundable special service fee of \$60. Applicants who have attended another institution, other than WVU, must request that the registrar or records office of the college(s) attended send an official transcript directly to the Office of Admissions. No one is admitted to graduate study that does not hold a baccalaureate degree from an accredited college or university.

If the applicant meets the minimum admission requirements of WVU, a copy of the application is forwarded to the faculty of the program of interest. Any graduate degree program is permitted to set admission requirements which go beyond the minimum admission standards of the University. No one can pursue an advanced degree at WVU unless admitted to the appropriate degree program.

GRE

Many programs at WVU require Graduate Record Examination (GRE) scores from all applicants, but in no program is an examination score the sole criterion for admission. Some programs require both the general aptitude and the appropriate advanced test before considering an applicant for admission. Please check with your department of interest for specific requirements.

Reapplication

When students graduate or complete the program for which they applied, they must reapply and be readmitted before taking further coursework at WVU. This policy assures that the University is informed of students' objectives and assigns them an appropriate advisor. Students are assessed a service fee for each new application.

When eight years have passed since initial coursework, a student must reapply. The application fee will be assessed.

Intra-University Transfers

To transfer from one school or department to another, a student may initiate a transfer request by contacting the Health Sciences Center Graduate Programs Office or his or her advisor. The advisor must contact the Health Sciences Center Graduate Programs Office, which will complete the transfer.

Credits

Credit toward a graduate degree may be obtained only for courses listed in the *WVU Graduate Catalog* and numbered 400–799, in which the grade earned is A, B, C, or S. No course in which the grade earned is D, P, F, or U can be counted toward a graduate degree.

Transfer Credit

To apply graduate-level credits from other accredited institutions toward a master's degree at WVU, students must get permission from the individual schools or colleges. The standardized transfer application form must be approved and signed by a unit chairperson or designate, prior to the student's enrolling in the course(s) to be transferred to WVU. The school or department submits the approved form to the Health Sciences Graduate Programs Office for final approval and submission to the Office of Admissions. It is the student's responsibility to see that Admissions gets an original transcript from the other institution. Only credit earned at institutions accredited at the graduate level may be transferred.

Graduate courses taken elsewhere will not be approved for transfer credit unless the transfer application form was approved before enrolling in them. When a school or department approves the form, it is sent to the Health Sciences Center Graduate Programs Office for approval. A maximum of 12 semester hours from other institutions will be accepted for credit at WVU in master's programs requiring 30 to 41 semester hours. Eighteen semester hours will be accepted for master's degree programs requiring 42 or more semester hours. Individual graduate programs may accept fewer credit hours.

International Student Admission

West Virginia University is authorized under federal law to enroll non-immigrant foreign nationals as students. International students wishing to enroll for graduate work at WVU must comply with the stated academic requirements for admission and with certain additional academic and nonacademic requirements.

International applicants should forward a letter of inquiry one year before they intend to begin study in the United States. The University receives a large number of applications from international students. For this reason and because of the time required for the student to make visa and financial arrangements, April 1 has been established as a deadline after which applications cannot be guaranteed consideration for fall admission. International students applying for admission to West Virginia University must submit the following:

- A completed international student admission application.
- Application service fee.
- The official results of the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS). TOEFL or IELTS results must be sent directly to WVU by the testing service.
- Original or certified copies of the applicant's official academic record in the original language of issue. Applicants who have studied in the United States are required to have the institutions send an official transcript directly to WVU.
- Original or certified copy of all certificates or diplomas in the original language of issue.
- Official English translations of the academic record and certificates/diplomas.

The items above should be sent to:

Admissions
West Virginia University
P.O. Box 6009
Morgantown, West Virginia 26506-6009

All material must be received by the application deadline. If possible, all application materials should be submitted at one time (TOEFL or IELTS scores and official transcripts from United States institutions should be requested so that all material arrives at WVU close to the same date). Incomplete applications cannot be guaranteed consideration for the desired semester. Applicants are encouraged to contact the academic program of interest for information about requirements other than those listed above.

Required Academic Credentials

Applicants for graduate programs must submit academic records from all post-secondary education. In some cases, it may be necessary for graduate applicants to submit records from the secondary school.

West Virginia University requires that original academic documents and/or certified copies of the original academic documents from non-United States institutions be submitted. The required documents include the official academic record (showing course titles, dates taken, and grades received), and diploma(s) or certificate(s) showing the degree awarded. These documents must be in the original language of issue. Official English translations must be included. Translations must be literal, word-for-word translations and must indicate actual grades received, not an interpretation of the grades.

Documents received by WVU become the property of WVU and cannot be returned to the applicant. It is therefore recommended that students who receive only one original copy of credentials submit certified copies with the application.

Applicants who are currently enrolled in an institution and who cannot submit the final academic record and certification of degree may be granted admission if the incomplete record indicates that the applicant will unquestionably meet WVU admission standards. Final admission, however, cannot be approved until the complete academic record and certification of degree have been received and evaluated by the Office of Admissions.

English Language Proficiency

All applicants whose first language is not English must provide proof of English language proficiency. WVU uses the Test of English as a Foreign Language (TOEFL) and the International English Language Testing System (IELTS) as measures of English language proficiency. A score of 213 on the computer-based TOEFL, 550 on the paper-based TOEFL, or 79 on the internet-based TOEFL or 6.5 on the IELTS is the minimum required of all such applicants. Applicants must make arrangements to take the TOEFL/IELTS well in advance of the desired date of enrollment at WVU. Information about registration for the TOEFL can be obtained by writing to:

Educational Testing Service

P.O. Box 6154

Princeton, NJ 08541-6154, USA

or by contacting the local office of the United States Information Service (USIS).

Applicants who have received a high school diploma or a bachelor's degree in the United States need not submit TOEFL/IELTS results. However, applicants only having a master's degree from an accredited U.S. college or university must still provide acceptable TOEFL or IELTS scores.

Financial Documents and Student Visa

International students requiring a form I-20 or IAP-66 for student or exchange visa must provide certification of adequate financial resources in U.S. dollars. Generally, the student must provide an official bank statement showing the availability of the appropriate funds. If a private sponsor will be the student's source of support, the sponsor must submit a letter showing intent to sponsor and an official bank statement showing the availability of the appropriate funds. Other forms of support could include sponsorship certifications from the student's government or sponsoring agency. In all cases, original or certified copies of financial/sponsorship documents must be submitted before the I-20 or IAP-66 can be issued.

Intensive English Program

In some cases, it may be possible to consider applications for students who lack adequate TOEFL/IELTS scores and will enroll in the West Virginia University Intensive English Program. Such applicants must contact the Intensive English Program directly and notify the Office of Admissions of their intentions. Applicants for graduate programs should also notify the academic department of interest of their intentions. Admission to the Intensive English Program does not guarantee admission to the University or to a specific program of study. Applicants admitted to an academic program under the condition of successful completion of the Intensive English Program will be required to meet a certain level of English language proficiency before being permitted to begin the academic portion of their studies, e.g., a grade of B or better in ESL courses or a TOEFL score above 550 or its new TOEFL equivalent or an IELTS score of 6.5. Inquiries about the Intensive English Program should be directed to:

Intensive English Program
Department of Foreign Languages
West Virginia University
P.O. Box 6298
Morgantown, WV 26506-6298

Regular Graduate Students

Regular graduate students are degree-seeking students who meet all the criteria for regular admission to a program of their choice. The student must possess a baccalaureate degree from an accredited college or university, must have at least a grade point average of 2.75 on a 4.0 scale, have met all the criteria established by the degree program, and be under no obligation to make up deficiencies.

A student may be admitted as provisional by any unit when the student possesses a baccalaureate degree from an accredited college or university but clearly does not meet the criteria for regular admission. The student may have incomplete credentials, deficiencies to make up, or may have an undergraduate scholastic record which shows promise, but less than the 2.75 grade point average required for regular admission.

A non-degree student is a student not admitted to a program. Admission as a non-degree student does not guarantee admission to any course or program. The reasons for non-degree admission may be late application, incomplete credentials, scholarship deficiencies, or lack of a degree objective. Even though a non-degree student has not been admitted to a graduate program, a unit may allow a non-degree student to enroll in its courses. To be admitted as a non-degree student, a student must only present evidence of a baccalaureate degree from an accredited college or university and a 2.5 grade point average, but the student must obtain a 2.5 grade point average on the first 12 credit hours of coursework and maintain this average as long as enrolled. To be eligible to enter a degree program, the student must maintain a minimum of a 2.75 grade point average on all coursework taken since admission as a graduate student.

The standards cited are the minimum standards established by the University. Individual academic units or graduate programs may establish higher standards.

Reclassification of Provisional Students

The provisions of a student's provisional status are specified by the graduate department or program, but also may include satisfactory performance in ESL courses. To be reclassified as a regular student, a student must meet the provisions stated by the department and achieve a minimum grade point average of 2.75 on all coursework taken during the provisional period. Individual degree programs may set higher grade point average requirements.

No later than the completion of the 18th credit hour, a unit must review the student's record and make a final decision on the student's admission. A student who has met the provisions of admission and achieved the required grade point average will be reclassified as a regular student. A student who fails to meet the provisions of admission or who fails to achieve the required grade point average will be suspended, but may be reinstated in order to transfer to another program or to non-degree status. The academic unit must notify the student and the Office of Admissions of its decision.

Upon notification by the appropriate academic unit, the Office of Admissions will prohibit the registration of all provisional graduate students who have reached the maximum of 18 credit hours. Registration will not be permitted until the student is reclassified as a regular student, an

exception is granted by an academic dean, or the student is transferred. A student may be admitted as a provisional graduate student more than one time, but not by the same graduate program.

All credit hours taken since admission as a provisional graduate student or to be applied to a degree count in the 18th credit-hour limit, i.e., undergraduate or graduate credit, P/F, S/U, graded courses, credit by senior petition, and transfer credit.

Regular or Provisional to Non-Degree

- Regular and provisional students may become non-degree students by choice. This includes students who fail to meet admission or academic standards or who withdraw voluntarily.
- To change a student to non-degree status, the advisor must process a Graduate Studies Transfer/Status form through the Health Sciences Center Graduate Programs Office.

Non-Degree to Regular or Provisional

- Non-degree students who later wish to become degree candidates must transfer and present all the credentials required by the degree program. This requires the processing of a Departmental Decision Form by the student's advisor through the HSC Graduate Programs Office.
- For admission to a degree program, a non-degree student must have achieved a minimum grade point average of 2.75 on all coursework taken since admission as a graduate student.

Employed Graduate Students

Graduate students will be required by their advisors to limit their credit loads in proportion to the outside service rendered and the time available for graduate study. In general, persons in full-time service to the University, or other employer, will be advised to enroll for no more than six hours of work in any one semester and those in half-time service for no more than 12 hours. Maximum credit loads may be less for employed graduate students in some academic colleges, schools, and departments.

Non-Degree Graduate Students

A non-degree graduate student may accumulate unlimited graduate credit hours, but if the student is later admitted to a degree program, the faculty of that program will decide whether or not any credit earned as a non-degree student may be applied to the degree. Under no circumstances may a non-degree student apply more than 12 hours of credit toward a degree.

Academic Advising

When entering West Virginia University, students are assigned an academic advisor. The advisor assists preparing a schedule, assigning classes as required by the student's degree program, and certifies the student's study list to the University Registrar's Office. The advisor is also expected to give advice and sympathetic guidance. Students are expected to meet with their advisor to discuss academic problems.

Students interested in medical technology, nursing, pharmacy, physical therapy, or occupational therapy may be admitted to a pre-program in order to complete entrance requirements for admission to the degree program. Students in these pre-programs are advised through the Undergraduate Academic Services Center. Students must apply for admission with an undergraduate application.

West Virginia University Calendar

Fall 2012

Date	Activity
Thursday, August 16	New Student Orientation
Friday, August 17	General Registration
Monday, August 20	On Campus First Day of Classes
Monday, August 20	Late Registration Fee in Effect for All Students
Friday, August 24	Last day to Register. Add New Courses, Make Section Changes, Change Pass/Fail and Audit
Monday, September 3	Labor Day Recess: University Closed
Monday, September 17	Rosh Hashanah (Day of Special Concern)
Monday, September 26	Yom Kippur (Day of Special Concern)
Friday, October 5	Mid-Semester
Thursday, October 11 at noon	Mid-Semester Reports Due

Friday, October 26	Last Day to Drop a Class
Friday, October 26	Eid-al-Adha (Day of Special Concern)
Tuesday, November 6	Election Day
Monday, November 12	Birth of Baha'u'llah (Day of Special Concern)
Monday, November 12	Veterans' Day (Day of Special Concern)
Saturday, November 17 thru Sunday, November 25	Thanksgiving Recess
Thursday, December 6	Last Day to Withdraw from the University
Friday, December 7	Last day of Classes
Sunday, December 9	December Convocation
Monday, December 10 thru Saturday, December 15	Final Examination Week
Sunday, December 16	Winter Break Begins
Tuesday, December 25	Christmas Day Observed
Friday, December 28	Degree Conferring Date
Friday, January 4	Dean's reports on Graduates Due in Office of University Registrar

Spring 2013

Date	Activity
Tuesday, January 1	New Year's Day
Thursday, January 10	New Student Orientation
Friday, January 11	General Registration
Monday, January 14	On Campus First day of Classes
Monday, January 14	Late Registration Fee in Effect for All Students
Friday, January 18	Last day to Register, Add New Courses, Make Section Changes, Change Pass/Fail and Audit
Monday, January 21	Martin Luther King's Birthday Recess: University Closed
Friday, March 1	Mid-Semester
Thursday, March 21	Naw-Ruz (Special Day of Concern)
Thursday, March 21 at noon	Mid-Semester Reports Due
Friday, March 22	Last Day to Drop a Class
Saturday, March 23 thru Sunday, March 31	Spring Recess
Friday, March 29	Friday Before Easter Recess: University Closed
Thursday, May 2	Last Day to Withdraw from the University
Friday, May 3	Last day of Classes
Monday, May 6 thru Saturday, May 11	Final Examination Week
Wednesday, May 15	Dean's Reports on Graduates Due in Office of University Registrar
Saturday, May 18	Alumni Day
Saturday, May 19	Commencement
Sunday, May 13	Commencement

12-Week Summer Session 2013

Date	Activity
Monday, May 20	Registration
Monday, May 20	On-Campus First Day of Classes
Monday, May 27	Memorial Day Recess: University Closed
Friday, June 28	Final Exam for First Six-Week Session
Thursday, July 4	Independence Day Recess: University Closed
Friday, August 9	Final Exam for Second Six-Week Session and 12-Week Session
Friday, August 16	Degree Conferring Date (No Ceremonies)

- Late registration fee in effect on the second day of class for all classes.
- You may withdraw from a summer class anytime before the last day of the class

Extended Learning

Sue Day-Perroots, Dean

<http://elearn.wvu.edu/>

WVU Extended Learning coordinates online and off-campus programming, Summer Sessions, Continuing and Professional Education, and the Instructional Technology Resource Center.

WVU Online and Off-Campus Programs (<http://elearn.wvu.edu/>)

Extended Learning takes West Virginia University courses around the state, the nation, and the globe. Some classes are offered in off-campus locations but most are delivered via the web. WVU Extended Learning offers:

- More than 20 graduate degrees (<http://online.wvu.edu/degrees/index.php?level>) and certificates
- Three undergraduate (<http://online.wvu.edu/degrees/index.php?level>) degree completion programs
- ACCESS (<http://elearn.wvu.edu/access/>) classes for high school students
- Travel Study (<http://elearn.wvu.edu/Travel/>) classes for adult learners

Summer Sessions (<http://summer.wvu.edu/>)

West Virginia University offers a robust and flexible summer term. Extended Learning provides marketing and administrative oversight of summer academic programs.

Continuing and Professional Education (<http://continuinged.wvu.edu/>)

Extended Learning has an extensive catalog of non-credit classes for personal and career enrichment.

Instructional Technology Resource Center (<http://oit.wvu.edu/itrc/>)

The Instructional Technology Resource Center supports WVU faculty in the development of online instructional materials. The staff provides consultation and technical support to create engaging, interactive courses.

For more information about online and off-campus courses contact WVU Extended Learning at <http://online.wvu.edu>, elearn@mail.wvu.edu, 1-800-253-2762, or P.O. Box 6800, 150 Clay Street, Morgantown, WV 26506-6800.

WVU Online (<http://online.wvu.edu/>)

hosts more than 300 undergraduate online classes, and this number increases every year. WVU Online is a unit within Extended Learning that coordinates online and off-campus programs. The staff provides assistance with registration (<http://online.wvu.edu/Registration/>), billing questions (<http://online.wvu.edu/Registration/billingquestions.php>), and online tools (<http://online.wvu.edu/students/>) such as ecampus (<http://online.wvu.edu/students/current/wvuecampusInstructions.php>), and MIX e-mail (<http://online.wvu.edu/students/current/mixInstructions.php>).

Students must be admitted to WVU to take online classes, and visiting students may choose to enroll with a guest pass for their first semester. Priority registration is available for part-time, adult learners in the fall and spring terms. In the summer, online classes are generally open to all students providing them with an excellent opportunity to move ahead, earn GEC credits, or add a minor. In addition to hundreds of online courses, there are three undergraduate degree completion programs available to online students:

- Regents Bachelor of Arts (RBA) (<http://online.wvu.edu/RBA/>)
- Multidisciplinary Studies (MDS) (<http://online.wvu.edu/mds/index.php>)
- Nursing (RN to BSN) (<http://online.wvu.edu/rnbsn/>)

Community college students have the option to transfer into the online MDS degree through the B.A. Pathway Program (<http://online.wvu.edu/pathway/>).

Admission to West Virginia University (<http://online.wvu.edu/Registration/admission.php#grad>)

Admission to West Virginia University is required to enroll in credit courses.

Undergraduate Students (<http://adm.wvu.edu/>)

Extended Learning offers several options for those wishing to take an undergraduate class. If you're planning to enroll in one of our degree programs, the Office of Admissions (<http://adm.wvu.edu/>) will determine how you will be admitted unless you're a candidate for our B.A. Pathway Program (<http://online.wvu.edu/pathway/>).

Guest Pass Students (Undergraduate) (<http://online.wvu.edu/Registration/forms/GuestApp.pdf>)

The guess pass is for students who want to take an online course or two but not enroll in a degree program. Students may enroll at WVU using a Guest Application/Registration form (<http://online.wvu.edu/Registration/forms/GuestApp.pdf>) which is valid for one term of admission. The application fee of \$15 plus tuition and fees enables visiting students to take up to 12 hours of undergraduate courses in one term offered by Extended Learning. Note: students who want to take on-campus courses must use the transient form (<http://adm.wvu.edu/r/download/42217>).

A student who wants to enroll in a second term must resubmit another Guest Application/Registration form and pay the \$15 application fee plus tuition and fees. A student can be admitted in multiple terms as long as the student has not exceeded the 12 credit hour maximum. However, it is recommended that a student who wants to take classes on an on-going basis or take more than 12 hours should apply for regular admission.

Once the term is over, a student's guest status is deactivated and the student cannot enroll again without reapplying to WVU either as a guest or as a regular student.

Upon completion of the course(s) students can request an official transcript (http://registrar.wvu.edu/transcripts/internet_transcript) online through the Office of the University Registrar (<http://registrar.wvu.edu/>).

Guest students are admitted as non-degree undergraduate students. The hours earned in this non-degree status may or may not count toward a degree program and students are encouraged to talk with their academic advisor.

Admission via the Guest Application/Registration form (<http://online.wvu.edu/Registration/forms/GuestApp.pdf>) does not guarantee acceptance to WVU. However, guest students are encouraged to continue their studies at West Virginia University as an admitted student. The admission requirements to WVU can be found at <http://adm.wvu.edu>.

Students can send the application fee of \$15 with the Guest Application/ Registration form (<http://online.wvu.edu/Registration/forms/GuestApp.pdf>)

. WVU accepts checks or credit cards. The amount of tuition and fees can be found on the Extended Learning Fee Schedule (<http://online.wvu.edu/Registration/tuitionFees.php>).

. The deadline for guest pass application is ten days prior to the start of the course. For questions about calculating tuition, contact Extended Learning via email at elearn@mail.wvu.edu or call 1-800-253-2762.

WVU Guest Application/Registration Form (<http://online.wvu.edu/Registration/forms/GuestApp.pdf>)

Mail the completed application along with payment to: Extended Learning, P.O. Box 6800, West Virginia University, Morgantown, WV 26506-6800 or fax to 304-293-4899.

Student Resources (<http://online.wvu.edu/students/>)

The Extended Learning staff can answer questions about programs (<http://online.wvu.edu/degrees/index.php?level>), applying to WVU (<http://online.wvu.edu/Registration/admission.php>), billing (<http://online.wvu.edu/Registration/billingquestions.php>), registration (<http://online.wvu.edu/Registration/>), WVU IDs (<http://wvucard.wvu.edu/>), getting started in an online course (http://online.wvu.edu/students/images/NewStudentOrientationManual_101910.pdf), or serve as the first point-of-contact for off-campus students.

Tuition and Fees (<http://online.wvu.edu/Registration/tuitionFees.php>)

The cost of courses offered through Extended Learning varies according to program and residency. Students should inquire of individual programs and view the fee schedule (<http://online.wvu.edu/Registration/tuitionFees.php>). Some programs are available to non-residents at resident rates through the Southern Regional Education Board or at a reduced rate through the Regional Incentive Fee for counties bordering West Virginia. Note: not all programs are available in all areas.

For more information about online and off-campus courses contact Extended Learning at <http://online.wvu.edu>, elearn@mail.wvu.edu, 1-800-253-2762, or P.O. Box 6800, 150 Clay Street, Morgantown, WV 26506-6800.

Extended Learning coordinates all online and off-campus programs. Enrollment counselors can help students determine which program is best for them and assist with the application process.

There are more than 20 graduate degree (<http://online.wvu.edu/degrees/index.php?level>) and certificate programs offered through WVU Online or Extended Learning. Depending on the program, courses can be delivered in the following ways:

- Completely online
- Online with some campus visits (a blended format)
- Off-site at locations in the State of West Virginia.
- Online with practicums or internships within a student's home base.

The most current list of programs can be found here (<http://online.wvu.edu/degrees/index.php?level>). Students should carefully review the information provided by individual programs.

The Extended Learning staff is available to help students from the day they inquire through their enrollment into a program. Extended Learning offers information sessions around the state and online through a series of webinars or virtual information sessions (<http://online.wvu.edu/>). Students can contact the office through

- the toll-free telephone number, 1-800-253-2762
- the chat feature at the website, online.wvu.edu
- e-mail at wvuonline@mail.wvu.edu.

The WVU transcript does not differentiate the method of program delivery. Students planning to enroll in a course must be admitted as graduate students using the same procedures as on-campus. Online and off-campus graduate students abide by the policies and procedures included in the Graduate Handbook.

The specific requirements for each degree program are available from the college of the selected program. Advising and scholarship standards are governed by individual academic units.

Teachers, in the private and public school system, may seek professional development (<http://online.wvu.edu/Teachers/courselist.php>) credit which counts toward their re-certification but not toward a degree. These specialized courses are designated by a 900-950 course level and cannot be applied to a graduate degree.

Admission to West Virginia University (<http://online.wvu.edu/Registration/admission.php#grad>)

Admission to West Virginia University is required to enroll in credit courses.

Graduate Student (<https://app.applyyourself.com/AYApplicantLogin/ApplicantConnectLogin.asp?id>)

Students who wish to enroll in graduate degree courses must be officially admitted to West Virginia University. Each program has specific requirements for admission so please review them carefully. Online Graduate Application (<https://app.applyyourself.com/AYApplicantLogin/ApplicantConnectLogin.asp?id>).

Professional Development Students (K-12 Educators) (<http://online.wvu.edu/Registration/forms/ProfDev.pdf>)

K-12 educators who need to take a graduate level class for their certification hours can earn professional development credit through Extended Learning. These courses can be used for recertification (depending on state requirements) but *do not count* as graduate credit toward a degree program. Educators who seek a master's degree to enhance their skills and possible salary should explore the graduate degree page (<http://online.wvu.edu/degrees/index.php?level>) for options. Professional Development courses are designated with a "900" level course number (e.g. C&I 930; IDT 930; RDNG 930) The current list of professional development courses can be found here (<http://online.wvu.edu/Teachers/courselist.php>). Visit the website (<http://online.wvu.edu/Teachers/courselist.php>) to read about additional professional development opportunities through WV Department of Education, WV Center for Professional Development, and County Boards of Education and RESA offices.

For assistance, contact Extended Learning at 1-800-253-2762 or elearn@mail.wvu.edu.

Application form for Professional Development Courses (<http://online.wvu.edu/Registration/forms/ProfDev.pdf>)

Student Resources (<http://online.wvu.edu/students/>)

The Extended Learning staff can answer questions about programs (<http://online.wvu.edu/degrees/index.php?level>), applying to WVU (<http://online.wvu.edu/Registration/admission.php>), billing (<http://online.wvu.edu/Registration/billingquestions.php>), registration (<http://online.wvu.edu/Registration/>), WVU IDs (<http://wvucard.wvu.edu/>), getting started in an online course (http://online.wvu.edu/students/images/NewStudentOrientationManual_101910.pdf), or serve as the first point-of-contact for off-campus students.

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For more information about online and off-campus courses Extended Learning at <http://online.wvu.edu>, elearn@mail.wvu.edu, 1-800-253-2762, or P.O. Box 6800, 150 Clay Street, Morgantown, WV 26506-6800.

Financial Aid

Each year, two out of three WVU students qualify for some type of financial aid, totaling over \$350 million. To receive an offer of aid you must be admitted to WVU as a degree seeking student. If you feel you need financial assistance, apply—and apply early. The application process is free and easy.

Application Process

To apply for financial aid, first apply for a US Department of Education student PIN and a parent PIN (if you are considered a dependent student for financial aid purposes) at www.pin.ed.gov (<http://www.pin.ed.gov>). You will use the PIN to sign your online Free Application for Federal Student Aid (FAFSA), review your processed information, correct FAFSA data, and conduct other important business directly with the US Department of Education. Save the PIN you are issued because you will need it for future transactions.

Complete the FAFSA at www.fafsa.gov (<http://www.fafsa.gov>) and include WVU's school code – 003827 – on your application. Submit the FAFSA prior to March 1 for full consideration. If you prefer to complete a paper FAFSA, you can request one by calling the Federal Student Aid Information Center at 800-433-3243. The FAFSA is completed annually. You must renew the FAFSA to receive consideration for aid.

Aid Offer Notification

WVU will receive your information electronically if you included our school code on your FAFSA. After your FAFSA is reviewed for accuracy, an award notification will be sent. You will receive this notification by letter which will direct you to go online to review the aid offer.

Satisfactory Academic Progress

Students who wish to receive funds administered by the Financial Aid Office must make measurable academic progress toward completion of an eligible degree. Regulations require evaluation of both a quantitative (required gpa) and qualitative (successful completion of a % of all attempted hours) as well as degree completion within 150% of the number of hours required for the degree (undergraduates only).

Undergraduates must complete at least 67% of all attempted hours with the following gpa:

- 1-28 attempted hours - 1.6 gpa
- 29-58 attempted hours - 1.9 gpa
- 59 or more attempted hours - 2.0 gpa

Graduate students must complete at least 80% of all attempted hours with a 2.75 gpa.

Professional students must complete at least 80% of all attempted hours with the follow gpa:

- Law (JD): 2.2 gpa
- Pharmacy (PharmD): 2.5 gpa
- Dentistry (DDS): 2.0 gpa
- Medicine (MD): no gpa determined

The complete Satisfactory Academic Progress policy is available online at www.finaid.wvu.edu/.

Veterans Support/Education Assistance

WVU is dedicated to helping veterans and those currently in the armed forces succeed in their academic pursuits. The WVU Veterans Advocate will help students through the application process and throughout their academic career. The Veterans Advocate acts as the central point of contact for this population of students and works with administration, faculty and staff to insure needs are being addressed. The Veterans Advocate and VA Certifying Official are also available to help students apply for and maintain their VA Education benefits.

You can reach the Veterans Advocate at 304-293-8262. You can reach the VA Certifying Official at 304-293-5242 or you can email veterans@mail.wvu.edu. You can obtain additional information from the Veterans website at: <http://wvuveterans.wvu.edu>.

Consequences of Withdrawal

If you receive financial aid and you withdraw, you will be subject to the Refund and Repayment Policy. Federal regulations require that WVU calculate eligibility for students who completely withdraw or are dismissed before completing the enrollment period. Students who receive all unsatisfactory grades (defined as at least one "F" and no passing grades) at the end of the grading period will be considered as unofficially withdrawn at the semester mid-point unless documentation is available that demonstrates continued class participation. Application of this policy may result in the necessity for a student to return financial aid funds to various Title IV federal aid programs.

A student earns Title IV federal aid based upon the length of time the student remains enrolled during the enrollment period. Students who withdraw on or before completing more than 60% of the semester may be required to return a portion of federal financial assistance. The determination of 60% of the term is computed by dividing the total number of calendar days in the term into the number of calendar days completed as of the date of withdrawal. Scheduled breaks of five consecutive days or more are excluded. The percentage of Title IV assistance which the student has earned is equal to this percentage of the term completed. If the withdrawal occurs after more than 60% of the term is completed, the percentage earned is considered to be 100%.

If more Title IV aid was disbursed than was earned by the student, WVU is required to return the less of the (1) the unearned aid percentage of institutional charges or (2) the unearned aid percentage applied to the total Title IV aid received. The student must return unearned aid for which s/he is responsible after subtracting the amount the school will return. Funds are returned in the following priority:

1. Unsubsidized Direct Stafford Loan
2. Subsidized Direct Stafford Loan
3. Perkins Loan
4. Direct PLUS (Graduate Student)

The return of financial aid may result in unpaid charges to WVU for tuition/fees and room/board. WVU will bill the student for any balance due. Students who owe a repayment to any federal financial aid program are no longer eligible for financial aid at any post-secondary institution. Eligibility may be regained after repayment is satisfied.

If less Title IV aid was disbursed that was earned by the student, the student is entitled to a post-withdrawal disbursement within 30 days of withdrawal.

Additional Information

For more information on applying and maintaining financial aid eligibility while enrolled at WVU visit our website at www.finaid.wvu.edu/

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1. Unsubsidized Direct Stafford Loan
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4. Direct PLUS (Graduate Student)
5. Direct PLUS (Parent)
6. Pell Grant
7. FSEOG
8. TEACH Grant

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Support Services

West Virginia University has a variety of support programs, services, and information available to students. On this page you will find information on University Housing, Information Technology, University Libraries, Social Justice, Disability Services, divisional campuses, and the city of Morgantown.

Page Contents:

- Clinical Education Facilities (p. 43)
- Commitment to Social Justice (p. 43)
- Disability Services (p. 44)
- Divisional Campuses (p. 44)
- Frequently Contacted Offices (p. 44)
- Housing and University Apartments (p. 46)
- Instructional Technology Resource Center (p. 46)
- Libraries (p. 46)
- Office of Information Technology (p. 47)
- Social Justice (p. 47)

Clinical Education Facilities

The West Virginia University Health Sciences Center includes a diverse group of health care facilities, providing a training ground for patient care and research for students in the health professions. West Virginia University Hospitals, the Physician Office Center, the Mary Babb Randolph Cancer Center, Health South Rehabilitation Hospital, the Eye Institute, Health Works Rehab and Fitness, and the National Institute of Occupational Safety and Health (NIOSH) are modern facilities that advance medical research and accommodate the demands of contemporary medical, dental, nursing, and pharmacy care.

WVU Hospitals entered a new era in 1988 with the opening of a 376-bed tertiary teaching facility, Ruby Memorial, the primary teaching hospital for the Health Sciences Center. It is equipped and staffed to provide the most comprehensive and advanced care available in West Virginia, thus making it a superb clinical education site for students. Ruby also houses the Jon Michael Moore Trauma Center and WVU Children's Hospital with their specialized care units.

The Physician Office Center, the Health Sciences Center's outpatient facility for education and patient care, accommodates the largest multi-specialty group practice in West Virginia, with 60 primary and specialty care areas. Dental facilities, the eye center, and the outpatient pharmacy are integral parts of the Physician Office Center.

Chestnut Ridge Hospital, a 70-bed psychiatric hospital, is also part of the WVU Hospitals. It is staffed clinically by faculty from the School of Medicine and is the focal point of education in the behavioral and psychiatric sciences.

Health South Regional Rehabilitation Hospital provides unique educational opportunities for students in neurological disease, trauma rehabilitation, and physical and occupational therapy. Many WVU students experience part of their clinical training at the Charleston Division of the Health Sciences Center, which is affiliated with Charleston Area Medical Center. In addition, WVU students train at off-campus sites where they learn the demands of rural health care firsthand.

The School of Dentistry dental student clinic accepts patients who have particular problems of teaching value. Faculty members closely supervise those students assigned to clinic patients. The students get invaluable experience and several thousand patients receive a much-needed service.

Commitment to Social Justice

West Virginia University's role as the doctoral degree-granting, research, land-grant University gives the institution a special responsibility as a leader in the area of social justice. The pursuit of truth underlying the University's mission focuses attention on issues of diversity, power, and perspective, so that students, faculty, and staff may study and work in a climate of academic freedom and social responsibility, developing the skills, knowledge, and self-esteem necessary for participation as world citizens.

Equal opportunity is a fundamental goal in a democratic society, and WVU shares the responsibility for achieving that equity. The institution is committed, therefore, to ensuring that all persons, including women, people of color, persons with disabilities, veterans, and persons of different religions, sexual orientations, ages, and international, ethnic, and economic backgrounds benefit from the many opportunities the institution provides.

In keeping with this responsibility, members of the academic community are expected to demonstrate civility and mutual respect for all persons, understanding and appreciation for all persons, to express that perspective in every dimension of the institution's life and mission, and to work cooperatively, representing not only the interests of their own groups but also those of the wider community.

Individuals believing they may have been illegally discriminated against by West Virginia University may file a complaint with the President's Office for Social Justice, B 1 Stewart Hall. Additional information is also available on the WVU website <http://socialjustice.wvu.edu>.

The importance of WVU's social justice program goes beyond the benefits that accrue to any one person or group to strengthening the University itself and enhancing its ability to accomplish the missions entrusted to it by the people and the State of West Virginia.

Office of Disability Services

The Office of Disability Services is located at G30 Mountainlair, phone (304) 293-6700, <http://disabilityservices.wvu.edu/>. The office provides accommodations to qualified students with documented permanent or temporary disabilities as they pursue their academic careers at WVU. Its services and accommodations are in keeping with the WVU commitment to provide both architectural and programmatic accessibility. Accommodations vary from student to student, are based on the functional limitations of each individual student, and are provided free of charge.

Accommodations may include:

- Priority preregistration,
- Arranging for classroom accommodations,
- Alternative testing accommodations such as extended time and/or a separate testing environment,
- Class materials in accessible formats,
- Providing accessible transportation to and from class,
- Providing referrals for assistive technology, and numerous other services.

Any student who requires accommodations must contact the Office of Disability Services as soon as possible, as it takes time to submit and review documentation as well as provide accommodations. Students are responsible for providing appropriate documentation of their disabilities, which usually comes from a physician, psychologist, or other licensed professional. The documentation must clearly state a current diagnosis and specific functional limitations, and provide test data that substantiates a “significant impairment” in functioning.

All information provided about a student’s disability is confidential and is stored separately from other records. Information about a student’s disability will not be disclosed without the written authorization of the student unless required by law or a need-to-know basis.

Prospective students with disabilities should also contact WVU Admissions, (304) 293-2121, and the program of interest for specific information concerning application procedures and admission requirements. All students admitted to WVU must meet current admission requirements.

Divisional Campuses

Potomac State College of West Virginia University

Potomac State College of West Virginia University, situated in West Virginia’s Eastern Panhandle in the town of Keyser, offers over 50 associate degrees, eight two-year, fast-track career and technical programs and provides students with undergraduate liberal arts and sciences and pre-professional studies. Additionally, the college offers two four-year degrees in business management and criminal justice. See <http://www.potomacstatecollege.edu> for more information.

West Virginia University Institute of Technology

The West Virginia University Institute of Technology is WVU’s southernmost campus. Located in Montgomery, WVU Tech serves the region and the state by preparing students at the associates’ and baccalaureate levels for careers in the basic and applied sciences. WVUIT addresses the statewide and regional needs for delivery of engineering and technical programs through extension offerings, continuing education, and consultative activities of the faculty. WVU Tech currently offers certificates and associate’s degrees in 15 fields, and baccalaureate degrees in 26 fields. See <http://www.wvutech.edu> for more information.

Morgantown Area

Greater Morgantown has 28,000 permanent residents; Monongalia County, 84,000. WVU is the largest single employer in the county. On the east bank of the Monongahela River, which flows north to Pittsburgh, Morgantown is situated on rugged terrain in the Appalachian highlands. The altitude varies from 960 feet above sea level in Morgantown to 2,100 feet at nearby Cooper’s Rock. The area’s temperate climate has four distinct seasons of about equal length. Morgantown averages 40 inches of precipitation a year. Autumn is beautiful when the leaves turn red, orange, and yellow. A north-south interstate highway (I-79) is one mile west of Morgantown. U.S. 19 and U.S. 119 pass through Morgantown in a north-south direction. Interstate 68, an east-west highway, links I-79 at Morgantown to I-81 and I-70 in the Cumberland/Hagerstown, Maryland, region.

Because of WVU’s resources, the Morgantown area is a major research center in the Appalachian region. Five federal agencies have research facilities in the area. The Department of Health and Human Services (Appalachian Laboratory for Occupational Safety and Health), The Forest Service (Forestry Sciences Laboratory), the National Energy Technology Laboratory of the Department of Energy, the Natural Resource Conservation Service (West Virginia headquarters), and the National Institute for Occupational Safety and Health.

Frequently Contacted Offices

Academic Programs

Provost and Vice President for Academic Affairs
West Virginia University
P.O. Box 6203

Morgantown, WV 26506-6203
Phone: (304) 293-5701
FAX: (304) 293-7554
<http://provost.wvu.edu/>

Office of Admissions

West Virginia University
P.O. Box 6009
Phone: (304) 293-2121 or 1-800-344-WVU1
FAX: (304) 293-8832
<http://adm.wvu.edu/>

Office of the University Registrar

West Virginia University
P.O. Box 6878
Morgantown, WV 26505-6009
Phone: (304) 293-5355
FAX: (304) 293-8991
<http://registrar.wvu.edu>

Graduate Programs

Office of Graduate Education and Life
West Virginia University
P.O. Box 6897
Morgantown, WV 26506-6897
Phone: (304) 293-7173
FAX: (304) 293-8657
<http://grad.wvu.edu/>

Housing and University Apartments

West Virginia University
P.O. Box 6430
Morgantown, WV 26506-6430
Phone: (304) 293-4491
FAX: (304) 293-4825
<http://housing.wvu.edu>

Scholarships, Work-Study, and Veterans Educational Assistance

Student Financial Aid Office
West Virginia University
P.O. Box 6004
Morgantown, WV 26506-6004
Financial Aid
Phone: (304) 293-5242
FAX: (304) 293-4890
Scholarships
Phone: (304) 293-4126
FAX: (304) 293-4544
<http://www.finaid.wvu.edu>

Student Life

Dean of Students
West Virginia University
P.O. Box 6411
Morgantown, WV 26506-6411
Phone: (304) 293-5611
FAX: (304) 293-7028
<http://studentlife.wvu.edu>

Housing and University Apartments

The University owns and operates 16 residence halls with a capacity of approximately 5,500. All single, first-year students (including transfer students with freshman class status) are required to live in University housing. Exceptions include students living at home with parents within a 50 mile radius of WVU, students age 21 or older, married students, and students with children. After the first year, students have the option to live on campus and receive priority in room selection. Accessible housing is available. The Assignments Office, M63 Brooke Tower, (304) 293-2811, provides information about on-campus, undergraduate housing.

The Office of Housing and University Apartments also operates apartment complexes. The Medical Center Apartments offers housing to graduate students, professional students, non-traditional students, married students, and students with dependents. Vandalia Hall offers housing for undergraduate (with the exception of first time freshman students), graduate, professional, and non-traditional students. Information about University-owned apartments is available by calling the Medical Center Apartments at (304) 293-5840 or Vandalia Hall at (304) 293-0543.

More information on University operated housing may be obtained online at <http://housing.wvu.edu>.

Instructional Technology Resource Center

The Instructional Technology Resource Center (<http://itrc.wvu.edu>) increases the extent to which technology enhances the quality of teaching and learning at WVU. Our mission is to support, promote, and enhance teaching effectiveness at the University through instructional strategies and faculty development. We promote methods that enable the University to achieve its goals of providing a student-centered, technology-enhanced educational experience for all students. To accomplish this mission we engage in the following activities:

- Provide resources so that faculty can broaden their pedagogical exploration and reflection.
- Provide assistance with course development and integration of technologies into the course curriculum.
- Design, promote, and host faculty development opportunities through collaborative projects, training, and consulting services.

University Libraries

The West Virginia University Libraries include the Downtown Campus Library; the Charles C. Wise Jr. Library; the Evansdale Library; the Health Sciences Library, located in the Robert C. Byrd Health Sciences Center; and the Law Library, located in the Law School.

The WVU Libraries provide access to electronic resources 24 hours a day at <http://www.libraries.wvu.edu>. These resources include the online catalog, eBooks, journals, and databases. The WVU Libraries' collections parallel the University's academic offerings. Books, periodicals, electronic resources, microforms, government publications, databases, maps, manuscripts, media, and access to information via the Internet provide a major academic resource for students and faculty. Also, library staff members provide a wide range of in-person and online services including reference assistance, circulation, interlibrary loan, and library instruction.

The WVU Libraries' onsite collections include over 2.1 million books and more than 48,000 current journal subscriptions. In keeping with WVU's mission of technological excellence, the WVU Libraries offer students electronic access to more than 246 networked databases, more than 30,000 eBook, and more than 45,700 online electronic journals. Macs and PCs enable students to create multi-media presentations for class. Whether in the library, in class, or at home, students can use their smartphones to access the Libraries' mobile website, <http://m.lib.wvu.edu/>.

Through the Libraries' membership in the Pennsylvania Academic Library Consortium, WVU students and faculty have access to over 36 million books in 75 member libraries. The West Virginia and Regional History Collection houses manuscripts, folk music, newspapers, photographs, and public records, and is the foremost historical library and archive in the state. The Libraries' Appalachian Collection is one of the nation's best resources for Appalachian regional culture. The WVU Libraries are a depository library for U.S. government publications, and the Evansdale Library is a patent depository for U.S. patents

The WVU Libraries are innovators in identifying, acquiring, and making accessible a broad range of electronic library resources. The Libraries constantly update technology and add resources to provide the most current and convenient information resources and services to its users. The Libraries were pioneers in the management of electronic theses and dissertations and in electronic course reserves.

Library hours vary with the academic term and are available online.

The WVU Health Sciences Library serves the Robert C. Byrd Health Sciences Center institutes, specialized care facilities, and programs, including the Schools of Dentistry, Medicine, Nursing, and Pharmacy; the Allied Health and graduate biomedical programs; WVU faculty, staff, and students; the West Virginia University Hospitals, and University Health Associates. The Health Sciences Library also supports the center's activities in the Eastern and Charleston Divisions and at the Oman Medical College.

As the West Virginia state resource library in the National Network of Libraries of Medicine, the Health Sciences Library also supports the biomedical information needs of health professionals throughout the state, offering advanced information retrieval services and access to a collection of over 200,000 volumes, extensive holdings of multimedia materials, approximately 350 current print journal subscriptions, and health-related government documents. The library offers electronic access to biomedical literature through the Internet and locally mounted databases. MEDLINE (PubMed) and other National Library of Medicine databases, Web of Science, Clinical Pharmacology, CINAHL (Nursing and Allied Health), International Pharmaceutical Abstracts (IPA), MD Consult, HAPI (Health and Psychosocial Instruments), Health

Source: Nursing Academic Edition, Health Source: Consumer Edition, the Cochrane Library, RefWorks, Up-To-Date, and numerous other electronic resources are available. The Health Sciences Library now provides access to over 5,100 electronic journals related to health and biological sciences. University-wide, the e-journal collection numbers over 35,000 titles.

The library is open an average of 96 hours per week for most of the year. Additional library services are available through the WVU Libraries system, a network of general and specialized libraries within a two-mile radius of the Health Sciences Library, from the Health Sciences Library located at the Charleston Division, and through interlibrary loan and the E-Z Borrow service.

The Health Sciences Library maintains a web presence at <http://www.hsc.wvu.edu/library> where library users can access many electronic resources, request online reference assistance (Ask A Librarian), document delivery (ILLiad), or other services, and keep up-to-date on new library materials and services.

The Office of the Chief Information Officer & Office of Information Technology

The Office of the Chief Information Officer and the Office of Information Technology (OIT) are committed to the land-grant mission of West Virginia University.

The Office of Information Technology's **mission** is to provide a secure, reliable, and robust information technology infrastructure that supports innovation and discovery, pedagogy, public service, and maintain essential production services and systems. The **goals** of OIT are to be customer focused and a performance driven organization that empowers the University community through the use of information technology, to enrich the academic experience for students, and to strengthen the ability of faculty and staff to teach, learn, conduct research, and to provide public service throughout West Virginia, the nation, and beyond.

OIT endeavors to be the state, regional, and national leader in information technology and to be recognized for its expertise and best practices in the delivery of secure and reliable technology services and solutions.

OIT supports University computing facilities, high technology classrooms (<http://oit.wvu.edu/ctec/>), paid printing services, and test and survey scanning services. OIT provides a Help Desk that offers a broad range of technical support. A listing of Help Desk services is available at <http://oit.wvu.edu/helpdesk/>. In addition, OIT offers free Wi-Fi network access (encrypted and unencrypted) at various locations on campus (<http://oit.wvu.edu/wireless/>), instructional technology software and services (<http://oit.wvu.edu/slic/>), and training workshops (<http://oit.wvu.edu/tss/>).

A comprehensive list of technology resources can be found at <http://oit.wvu.edu/services/>.

Office of Social Justice

West Virginia University's role as the doctoral degree-granting, research, land-grant University gives the institution a special responsibility as a leader in the area of social justice. The pursuit of truth underlying the University's mission focuses attention on issues of diversity, power, and perspective, so that students, faculty, and staff may study and work in a climate of academic freedom and social responsibility, developing the skills, knowledge, and self-esteem necessary for participation as world citizens.

Equal opportunity is a fundamental goal in a democratic society, and WVU shares the responsibility for achieving that equity. The institution is committed, therefore, to ensuring that all persons, including women, people of color, persons with disabilities, veterans, and persons of different religions, sexual orientations, ages, and international, ethnic, and economic backgrounds benefit from the many opportunities the institution provides.

In keeping with this responsibility, members of the academic community are expected to demonstrate civility and mutual respect for all persons, understanding and appreciation for all persons, to express that perspective in every dimension of the institution's life and mission, and to work cooperatively, representing not only the interests of their own groups but also those of the wider community.

Individuals believing they may have been illegally discriminated against by West Virginia University may file a complaint with the President's Office for Social Justice, B 1 Stewart Hall. Additional information is also available on the WVU website <http://socialjustice.wvu.edu/>.

The importance of WVU's social justice program goes beyond the benefits that accrue to any one person or group to strengthening the University itself and enhancing its ability to accomplish the missions entrusted to it by the people and the State of West Virginia.

Tuition, Fees and Residency

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Residency Policy

Section 1:

This policy bulletin contains general information regarding its scope and dates of adoption.

Section 2: Classification for Admission and Fee Purposes

1. Students enrolling in a West Virginia public institution of higher education shall be assigned a residency status for admission, tuition, and fee purposes by the institutional officer designated by the president. In determining residency classification, the issue is essentially one of domicile. In general, the domicile of a person is that person's true, fixed, permanent home and place of habitation. The decision shall be based upon information furnished by the student and all other relevant information. The designated officer is authorized to require such written documents, affidavits, verifications, or other evidence as is deemed necessary to establish the domicile of a student. The burden of establishing domicile for admission, tuition, and fee purposes is upon the student.
2. If there is a question as to domicile, the matter must be brought to the attention of the designated officer at least two weeks prior to the deadline for the payment of tuition and fees. Any student found to have made a false or misleading statement concerning domicile shall be subject to institutional disciplinary action and will be charged the nonresident fees for each academic term theretofore attended.
3. The previous determination of a student's domiciliary status by one institution is not conclusive or binding when subsequently considered by another institution; however, assuming no change of facts, the prior judgment should be given strong consideration in the interest of consistency. Out-of-state students being assessed resident tuition and fees as a result of a reciprocity agreement may not transfer said reciprocity status to another public institution in West Virginia.

Section 3: Residence Determined by Domicile

1. Domicile within the state means adoption of the state as the fixed, permanent home and involves personal presence within the state with no intent on the part of the applicant or, in the case of a dependent student, the applicant's parent(s) to return to another state or country. Residing with relatives (other than parent(s)/legal guardian) does not, in and of itself, cause the student to attain domicile in this state for admission or fee payment purposes. West Virginia domicile may be established upon the completion of at least 12 months of continued presence within the state prior to the date of registration, provided that such 12 months' presence is not primarily for the purpose of attendance at any institution of higher education in West Virginia.
2. Establishment of West Virginia domicile with less than 12 months' presence prior to the date of registration must be supported by evidence of positive and unequivocal action. In determining domicile, institutional officials should give consideration to such factors as the ownership or lease of a permanently occupied home in West Virginia, full-time employment within the state, paying West Virginia property tax, filing West Virginia income tax returns, registering of motor vehicles in West Virginia, possessing a valid West Virginia driver's license, and marriage to a person already domiciled in West Virginia. Proof of a number of these actions shall be considered only as evidence which may be used in determining whether or not a domicile has been established.
3. Factors militating against the establishment of West Virginia domicile might include such considerations as the student not being self-supporting, being claimed as a dependent on federal or state income tax returns or the parents' health insurance policy if the parents reside out of state, receiving financial assistance from state student aid programs in other states, and leaving the state when school is not in session.

Section 4: Dependency Status

1. A dependent student is one who is listed as a dependent on the federal or state income tax return of his or her parent(s) or legal guardian or who receives major financial support from that person. Such a student maintains the same domicile as that of the parent(s) or legal guardian. In the event the parents are divorced or legally separated, the dependent student takes the domicile of the parent with whom he or she lives or to whom he or she has been assigned by court order. However, a dependent student who enrolls and is properly classified as an in-state student maintains that classification as long as the enrollment is continuous and that student does not attain independence and establish domicile in another state.

Section 5: Change of Residence

1. A person who has been classified as an out-of-state student and who seeks resident status in West Virginia must assume the burden of providing conclusive evidence that he or she has established domicile in West Virginia with the intention of making the permanent home in this state. The intent to remain indefinitely in West Virginia is evidenced not only by a person's statements, but also by that

person's actions. In making a determination regarding a request for change in residency status, the designated institutional officer shall consider those actions referenced in Section 2 previously. The change in classification, if deemed to be warranted, shall be effective for the academic term or semester next following the date of the application for reclassification.

Section 6: Military

1. An individual who is on full-time active military service in another state or foreign country or is an employee of the federal government shall be classified as an in-state student for the purpose of payment of tuition and fees, provided that the person established a domicile in West Virginia prior to entrance into federal service, entered the federal service from West Virginia, and has at no time while in federal service claimed or established a domicile in another state. Sworn statements attesting to these conditions may be required. The spouse and dependent children of such individuals shall also be classified as in-state students for tuition and fee purposes.
2. Persons assigned to full-time active military service in West Virginia and residing in the state shall be classified as in-state students for tuition and fee purposes. The spouse and dependent children of such individuals shall also be classified as in-state students for tuition and fee purposes.

Section 7: Aliens

1. An alien who is in the United States on a resident visa or who has filed a petition for naturalization in the naturalization court, and who has established a bona fide domicile in West Virginia as defined in Section 3, may be eligible for in-state residency classification, provided that person is in the state for purposes other than to attempt to qualify for residency status as a student. Political refugees admitted into the United States for an indefinite period of time and without restriction on the maintenance of a foreign domicile may be eligible for an in-state classification as defined in Section 3. Any person holding a student or other temporary visa cannot be classified as an in-state student.

Section 8: Former Domicile

1. A person who was formerly domiciled in the state of West Virginia and who would have been eligible for an in-state residency classification at the time of his or her departure from the state may be immediately eligible for classification as a West Virginia resident provided such person returns to West Virginia within a one-year period of time and satisfies the conditions of Section 3 regarding proof of domicile and intent to remain permanently in West Virginia.

Section 9: Residency Decisions/Appeals

Following is the process for initially determining residency for tuition purposes and how students appeal if they disagree with those decisions. Initial residency decisions are made at the admission level. Any questionable decisions are referred to the designated institutional official who determines whether the student meets the residency requirements or additional information is needed to make the decision. If additional information is needed, the student is requested to submit further documentation. If a student feels he or she has been improperly classified as a non-resident for tuition purposes, he or she should request an application for classification as a resident student at West Virginia University. To request this application write:

Residency Officer
Office of Admissions.
P.O. Box 6009
Morgantown, WV 26506-6009
or call (304) 293-2121

Once this application and supporting documents are received, a decision is made by the designated institutional official. If the student meets the requirements as outlined by the Board of Trustees Policy Bulletin #34, the student is granted residency for the upcoming semester. If the student does not meet the necessary requirements, the student is denied in-state residency. If denied, the student has the option of appealing the decision to the WVU Council on Residency. The council consists of faculty and student representatives, whose number shall be at least three. The student representative(s) shall be appointed by the president of West Virginia University Student Administration while the faculty representative(s) shall be selected by the University Faculty Senate. The student contesting a residency decision shall be given the opportunity to appear before the institutional committee on residency appeals.

If the council overturns the initial denial, the student becomes a resident for the semester in question. Should the council uphold the original denial, the student has the option of appealing to the president of WVU. The president, again, may either uphold the original denial or overturn the decision of the council.

Residency appeals shall end at the institutional level.

Fee Regulations

All West Virginia University fees are subject to change without notice. A nonrefundable service fee of \$50 must accompany the application for admission to graduate studies. All fees are payable to the Office of Student Accounts at registration. Arrangements with the Office of Student Accounts for payment from officially accepted scholarships, loan funds, grants, or contracts shall be considered sufficient for acceptance of registration. All students should register on days scheduled for registration at the beginning of each semester or summer session. No student will be permitted to register at the University after the eighth day of a semester or the fourth calendar day of the summer

sessions or a single summer session. Days are counted from the first day of registration. Any student failing to complete registration on regular registration days is subject to a late registration fee.

Registering students pay the fees shown in the fee charts, plus special fees and deposits as required.

WVU places restrictions on students who have outstanding debts to a unit or units of the University. The restriction may include, but is not limited to, the withholding of a student's registration, diploma, or transcript. No degree is conferred and no transcripts are issued to any student before payment is made of all tuition, fees, and other indebtedness to any unit of the University.

Special Fees, Library Fee, and Technology Fee

Special Fees provides students with access to the WVU Mountainlair Student Center, the Daily Athenaeum newspaper, University radio station, Student Recreation Center, and Student Health Services, athletics (student admission to WVU football, basketball, and other sporting events), student affairs activities, and the Personal Rapid Transit (PRT) system. The Library Fee provides students with access to and support from the University Libraries. The Technology Fee supports University computer centers and campus technology development. All students, regardless of whether or not they have been granted a tuition waiver must pay these mandatory fees.

Laboratory Fees

Many departments assess laboratory or other equipment fees to provide availability to consult specific departments concerning nonrefundable equipment deposits and laboratory fees.

Music Fees

All music majors must pay a fee that entitles them to assigned practice space daily. Band and orchestra instruments may be rented by the semester. Contact the College of Creative Arts for details regarding these fees.

Other Fees

There are other fees for certain services and functions provided by the University. Check with the University office providing the service or function in question to find out the current fee. Also, individual programs may have additional fees.

Remission of Fees

Students appointed as graduate assistants are eligible for remission of tuition and certain fees.

Summer Tuition and Fees

Check the website <http://adm.wvu.edu/>.

Refund of Tuition and Fees

Current information on refunding can be found on the WVU Finance Division's webpage <http://studentaccounts.wvu.edu/refunds/>.

Non-Sufficient Funds Check Policy

Payments of tuition, fees, and other charges by check, draft, or money order are subject to WVU's Non-Sufficient Funds Check Policy. A copy of the policy is available in the Office of Student Accounts. A service charge of \$25.00 is collected on each check returned unpaid by the bank upon which it was drawn. The service charge on unpaid, returned check(s) is subject to change in accordance with state law.

Estimated Expenses for Graduate/Professional Health Sciences Center Programs

For current accurate tuition costs, call the Office of Admissions at 1-800-344-WVU1 or visit the website at <http://adm.wvu.edu/>. Tuition and registration fees are the same for both semesters. Some programs require summer sessions. Additional tuition and fees apply.

Identification Card

Students registered for the current semester are eligible for an identification card (Mountaineer Card). The Mountaineer Card gives access to certain activities and privileges depending on fees assessed. Students assessed the on-campus fees have free access to Student Recreation Center, the PRT, Student Health, athletic events and may ride the local bus system (MountainLine) by using their ID card. On- and off-campus students have access to the WVU Libraries and the Mountainlair's WVU Up-All Night activities. Students taking Extended Learning classes may opt to pay the on-campus fees to participate in the other activities. WVU reserves the right to refuse issuance of an identification card and misuse may result in confiscate of the card. For more information about the Mountaineer Card visit <http://wvucard.wvu.edu/> or contact them at WVUCard@mail.wvu.edu.

Governance and Administration

- Governor of West Virginia (p. 51)
- West Virginia Higher Education Policy Commission (p. 51)
- West Virginia University Board of Governors (p. 51)
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Governor of West Virginia

- Earl Ray Tomblin, *Governor*

West Virginia Higher Education Policy Commission

- Jenny Allen, *Shepherdstown, WV*
- Bruce Berry, *Morgantown, WV*
- Bob Brown, *Ex-Officio, Chair, WV Council for Community and Technical College Education, Charleston, WV*
- Kathy G. Eddy, *Secretary, Parkersburg, WV*
- John Estep, *Richwood, WV*
- Kay H. Goodwin, *Ex-Officio, Secretary of Education and the Arts, Charleston, WV*
- David K. Hendrickson, *Chairman, Charleston, WV*
- Paul L. Hill, *Chancellor, Charleston, WV*
- John Leon, *Fairmont, WV*
- Jorea Marple, *Ex-Officio, State Superintendent of Schools, Charleston, WV*
- David R. Tyson, *Huntington, WV*

West Virginia University Board of Governors

- David B. Alvarez, *Bridgeport, WV*
- Jason Bailey, *Student Representative*
- Ellen S. Cappellanti, *Charleston, WV*
- Thomas S. Clark, *Bruceton Mills, WV*
- Lesley Cottrell, *Faculty Representative, Morgantown, WV*
- James W. Dailey II, *Vice Chairman, Martinsburg, WV*
- Thomas V. Flaherty, *Secretary, Charleston, WV*
- Robert K. Griffith, *Faculty Representative, Morgantown, WV*
- Raymond J. Lane, *Menlo Park, CA*
- Diane Lewis, *Morgantown, WV*
- Dixie Martinelli, *Morgantown, WV*
- William O. Nutting, *Wheeling, WV*
- Andrew A. Payne III, *Chairman, Charleston, WV*
- Edward L. Robinson, *Charleston, WV*
- J. Robert Rogers, *Hurricane, WV*
- Charles M. Vest, *Washington, DC*
- William D. Wilmoth, *Wheeling, WV*

*Current as of April, 2012.

West Virginia University is governed by the West Virginia University Board of Governors and the West Virginia Higher Education Policy Commission. James P. Clements is the 23rd President of West Virginia University.

West Virginia University is a member of the Higher Learning Commission. The University's educational programs are accredited by the Higher Learning Commission North Central Accreditation (NCA) of Colleges and Schools and by the appropriate accreditation agencies for professional programs.

West Virginia University is an Equal Opportunity/Affirmative Action Institution. The University does not discriminate on the basis of race, sex, age, disability, veteran status, religion, sexual orientation, color, or national origin in the administration of any of its educational programs or activities, or with respect to admission or employment. Further, faculty, staff, students, and applicants are protected from retaliation for filing complaints or assisting in an investigation under the University's Equal Opportunity/Affirmative Action Plan. Inquiries regarding the University's non-discrimination policy may be sent to the director, Affirmative Action Office/Equal Employment Opportunity Programs, West Virginia University.— Office of the President.

West Virginia University Administration

Senior Administrators

- *President*, James P. Clements
- *Provost and Vice President for Academic Affairs*, Michele G. Wheatly
- *Chancellor for Health Sciences*, Christopher C. Colenda
- *Chief of Staff*, Jay Cole
- *Executive Officer for Policy Development*, Jennifer Fisher
- *Executive Officer for Social Justice*, Jennifer A. McIntosh
- *Vice President for Student Affairs*, Kenneth D. Gray
- *Vice President for Legal Affairs and General Counsel*, William H. Hutchens III
- *Vice President for University Relations*, Christine M. Martin
- *Interim Vice President for Research and Economic Development*, Fred King
- *Vice President for Human Resources*, Margaret R. Phillips
- *Vice President for Administration and Finance*, Narvel G. Weese
- *Director of Athletics*, Oliver Luck
- *Senior Associate Provost*, Russell K. Dean
- *Campus Executive Officer, WVU Institute of Technology*, Carolyn D. Long
- *Campus Provost, Potomac State College of WVU*, Kerry S. Odell
- *Associate Provost for Graduate Academic Affairs*, Jonathan Cumming
- *Associate Provost for Undergraduate Academic Affairs*, Elizabeth A. Dooley
- *Associate Provost for International Academic Affairs*, Michael Lastinger
- *Associate Provost for Academic Personnel*, Cecil B. Wilson
- *Associate Vice President, Academic Strategic Planning*, Nigel Clark
- *Interim Director of Cooperative Extension Service*, Steven C. Bonanno
- *University Registrar*, Stephen E. Robinson
- *Interim Executive Director of Information Technology*, Mark Six
- *Special Assistant to the Governing Board*, Valerie Lopez
- *Special Assistant to the President*, Sara A. Master
- *Director of Internal Audit*, William Quigley
- *Executive Director of University Events*, Robin Yorty
- *Senior Associate Vice President for Finance*, Dan Durbin
- *Associate Vice President for Facilities and Services*, Randy Hudak
- *Associate Vice President for Planning and Treasury Operations*, Elizabeth Reynolds
- *Assistant Vice President for Finance*, Anjali Halabe
- *Assistant Vice President for Facilities Management*, Randy Hudak
- *Vice President for Planning and Operations*, Fred R. Butcher
- *Chief Financial Officer for Health Sciences*, Wendy King
- *Associate Vice President for Health Sciences—Charleston Division*, Clark L. Hansbarger
- *Associate Vice President for Health Sciences—Eastern Division*, C. H. Mitch Jacques
- *President, West Virginia University Hospitals, Inc*, Bruce McClymonds
- *Senior Deputy General Counsel*, April Min
- *Deputy General Counsel*, Jacquelyn Core
- *Deputy General Counsel*, David Fryson
- *Associate Vice President for Research and Economic Development*, Mridul Gautam
- *Assistant Vice President for Research Administration and Director of Sponsored Programs*, Alan Martin
- *Associate Vice President for Student Affairs and Enrollment Management Services*, Brenda Thompson

- *Associate Vice President for International and Global Outreach*, David Stewart
- *Assistant Vice President for Student Affairs*, Barbara Copenhaver-Bailey
- *Assistant Vice President for Student Affairs*, Michael Ellington
- *Assistant Vice President for Student Health and Wellness*, Cathy Yura
- *Associate Vice President for University Relations Operations*, Tricia Petty
- *Assistant Vice President for University Communications*, Becky Lofstead
- *President and CEO, West Virginia University Alumni Association*, Steve Douglas
- *Chair, West Virginia University Faculty Senate*, Lesley Cottrell
- *Chair, West Virginia University Staff Council*, Jo Morrow
- *President, West Virginia University Student Government Association*, Jason Bailey

Deans

- College of Business and Economics, José V. Sartarelli
- College of Creative Arts, Paul K. Kreider
- Benjamin M. Statler College of Engineering and Mineral Resources, Eugene V. Cilento
- College of Human Resources and Education, Elizabeth A. Dooley (Interim)
- College of Law, Joyce McConnell
- College of Physical Activity and Sport Sciences, Dana D. Brooks
- Davis College of Agriculture, Natural Resources, and Design, Rudolph P. Almasy (Interim)
- Dean of Students, G. Corey Ferris (Interim)
- Eberly College of Arts and Sciences, Robert H. Jones
- Extended Learning, Sue Day-Perroots
- Honors College, Keith Garbutt
- Perley Isaac Reed School of Journalism, Maryanne Reed
- School of Dentistry, David A. Felton
- School of Medicine, Arthur J. Ross III
- School of Nursing, Georgia Narsavage
- School of Pharmacy, Patricia A. Chase
- University Libraries, Myra N. Lowe (Interim)

Directors

- AAO/EEO Program, ADA Compliance, Jennifer A. McIntosh
- Accounting and Financial Systems, Anjali Halabe
- Administrative Technology Solutions, Kate Hazen
- Admissions, Marilyn Potts
- Alumni Association, Stephen L. Douglas
- Athletics, Oliver Luck
- Blanchette Rockefeller Institute of Neuroscience, D. Max Francis
- Bureau of Business and Economic Research, Tom S. Witt
- Career Services Center, David L. Durham
- Center for Black Culture and Research, Marjorie Fuller
- Center for Chinese Business, William B. Riley Jr.
- Center for Women's Studies, Ann Oberhauser
- Center for Writing Excellence, Laura Brady
- Center on Aging, Alan M. Ducatman (Interim)
- Congressional Relations, Mary Bowman
- Cultural Resource Management Program, Chad Proudfoot
- Dining Services, David Friend
- Economic Development, Russ Lorince
- Environmental Health and Safety Office, John Principe
- Financial Services, Lisa Lively
- Financial Aid, Kaye Widney

- Institute for Public Affairs, Kevin Leyden
- Institute of Occupational Environmental Health, Christopher Martin
- Institutional Research, Roberta Dean
- Internal Auditing, William R. Quigley
- Mary Babb Randolph Cancer Center, Scot C. Remick
- Military Science, Air Force ROTC, Lt. Col Jeremy Anfinson
- National Research Center for Coal and Energy, Richard Bajura
- Parents Club, Sabrina Cave
- Physical Plant HSC, Leonard Lewis
- Printing Services, Geraldine M. Ireland
- Procurement Services, Philip Charneskie
- Public Safety/Police Department, Robert E. Roberts
- Regional Research Institute, Randall W. Jackson
- Research Compliance, Daniel Vagird
- Research Communication, Gerrill Griffith
- Sponsored Programs, Alan B. Martin
- Student Health Services, Jan Palmer
- Student Recreation Center, David H. Taylor
- Technology Transfer, Bruce Sparks
- Telecommunications, Timothy P. Williams
- Undergraduate Academic Services Center, Anita Mayer
- University Affiliated Center for Developmental Disabilities, Ashok Dey
- University Events, Stephanie Ballard Conrad
- University Housing, Corey Farris
- University Relations-Design, Angela M. Caudill
- University Relations-News, John Bolt
- University Relations-Video, John E. Duwall
- University Relations-Web, Cathy Orndorff
- Visitors Center, Danica Ann Wilburn
- WVU Press, Carrie Mullen

School of Dentistry

Degrees Offered

- D.D.S. in Dentistry
- M.S. in Dental Specialties (Endodontics, Orthodontics, and Prosthodontics)
- M.S. in Dental Hygiene
- B.S. in Dental Hygiene

Historical Background

The School of Dentistry was established by an act of the West Virginia Legislature on March 9, 1951, and the first class was enrolled in September 1957. A class of 23 students graduated in 1961, receiving the first dental degrees awarded in West Virginia. In September 1961, the first two students were enrolled in the school's baccalaureate degree program in dental hygiene and graduated in 1965.

Mission

It is the mission of the West Virginia University School of Dentistry to promote a diverse and dynamic learning environment that addresses the present and future oral health needs of the citizens of West Virginia and beyond by providing an oral health center committed to excellence and innovation in education, research, patient care, service and technology.

The WVU School of Dentistry offers degrees of doctor of dental surgery, master of science in dental specialties and dental hygiene, and bachelor of science in dental hygiene. The Department of Oral and Maxillofacial Surgery offers a four-year residency program, a one-year internship, and a one-year general practice residency program. Programs leading to the master of science and doctor of philosophy degrees are available in the associated basic sciences, public health and business. Continuing education courses for dentists and auxiliaries are offered throughout the year on a wide variety of dental topics.

Accreditation

All programs are accredited by the Commission on Dental Accreditation of the American Dental Association.

Administration

The dean is responsible for implementing the established policies of the School of Dentistry, the Health Sciences Center, and the University. The dean of the School of Dentistry reports to the chancellor for Health Sciences.

Dental Clinic

Clinical training and experience constitute a major part of the curriculum for dental and dental hygiene students. Facilities for dental and dental hygiene students include over 75 treatment cubicles and all necessary related laboratories. Students treat their assigned patients under close supervision of faculty and receive practical experience while rendering service to thousands of patients annually.

Books and Instruments

Dental and dental hygiene students are required to obtain necessary textbooks for the scheduled courses and special instruments for use in the various laboratories and clinics. Lists of approved instruments and books will be provided at the time of registration, and these supplies will be made available through University services. Official authorization is essential in the purchase of all instruments and books used in dental courses. All dental students must maintain a library of required textbooks through graduation. Used instruments and equipment are not acceptable.

Organizations

American Student Dental Association. Pre-doctoral and advanced education dental students are eligible to become members of the American Student Dental Association. Membership provides for student membership in the American Dental Association.

American Association of Dental Research. All dental and auxiliary students, including advanced education students, are eligible to become student members of the American Association of Dental Research during the period of enrollment in the School of Dentistry.

American Dental Education Association. All dental and auxiliary students, including advanced education students, are eligible to become student members of the American Dental Education Association during the period of enrollment in the School of Dentistry.

American Association of Women Dentists. The objectives and purposes of the West Virginia University School of Dentistry Chapter of the American Association of Women Dentists are to offer opportunities for personal growth through association with women in the dental profession, support the goals of the American Association of Women Dentists, aid in the advancement of women in dentistry, promote professional support and cooperation among its members, and promote the fundamentals of good oral health.

Academy of Dentistry for Persons with Disabilities. The Academy of Dentistry for Persons with Disabilities is an international organization for dental students and dental hygiene students interested in management and treatment of special care patients. Community services are provided by assisting with Special Olympics and presenting disability awareness programs to area grade schools. Guest speakers are sponsored on topics such as: "Managing the Hearing Impaired Patient in the Dental Office," "Use of Restraint in Treating Patients with Disabilities," and "Child Abuse and Neglect in Special Needs Children."

WVU School of Dentistry Alumni Association. In a series of meetings held during May 1961, the first senior class of the School of Dentistry established the WVU School of Dentistry Alumni Association. The association promotes the educational program of the School of Dentistry. Full membership is extended to all graduates of the school, and associate memberships are available to others interested in the aims of the association.

Omicron Kappa Upsilon. On February 6, 1961, the Alpha Beta Chapter of Omicron Kappa Upsilon, national honorary dental society, was chartered at the School of Dentistry. Student membership is limited to 12 percent of each senior class. Candidates are from the academically superior 20 percent.

Dental Fraternity. Chapter of Delta Sigma Delta International Dental Fraternity.

Student American Dental Hygienists' Association. Dental hygiene students are eligible for membership in the official organization representing the dental hygiene profession.

Sigma Phi Alpha. Alpha Xi chapter of the national dental hygiene honorary society, Sigma Phi Alpha, was established on March 19, 1968. Student membership is limited to ten percent of each graduating class. Candidates are selected on the basis of scholarship, character, and leadership potential as a dental hygienist.

Faculty

Dean

- David A. Felton - D.D.S., M.S.

Associate Deans

- Richard J. Crout - D.D.S., M.S., Ph.D.
Research
- Christina B. DeBiase - Ed.D, M.A.
Academic & Postdoctoral Affairs
- Shelia S. Price - D.D.S., Ed.D
Admissions, Recruitment and Access
- Jack S. Yorty - D.D.S., M.A.
Clinical Education and Patient Care

Assistant Dean

- Robert L. Wanker - D.D.S.
Student and Alumni Affairs

Professors emeriti

- Camillo A. Alberico - D.D.S. (Marquette U.)
Status: Endodontics
- Henry J. Bianco, Jr. - D.D.S. , M.S. (U. MD.)
Status: Prosthodontics
- Emmett F. Brown - D.M.D. (U. Pitt.)
Status: Dental Practice and Rural Health
- William L. Graham - D.D.S. U. MD.)
Diagnostic Sciences
- Catherine E. Graves - M.A. (WVU)
Dental Hygiene
- Robert W. Graves - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- James A. Griffin - D.D.S. (Baylor)
Endodontics
- Richard I. Hart - D.D.S. (U. Mich.)
Operative Dentistry
- David M. Hickman - D.D.S. (WVU)

Dental Practice and Rural Health

- Barbara K. Komives-Norris - M.S. (Ohio St. U.)
Dental Hygiene
- William R. McCutcheon - D.D.S., MPH (WVU)
Dental Practice and Rural
- Donald J. Morrison - D.D.S., MS (U. Iowa)
Periodontics
- Gerald Nieuwma - D.D.S. (U of Mich)
Oral and Maxillofacial Surgery
- James E. Overberger - D.M.D.(U. Pitt.)
Restorative Dentistry
- Robert E. Sausen - D.D.S. (U. Minn)
Operative Dentistry
- Carol A. Spear - MS (U. Mich)
Dental Hygiene
- John T. Stevens - D.D.S. (U. Penn)
Operative Dentistry
- Harold E. Tucker - D.D.S. (MCV)
Prosthodontics

Clinical assistant professors

- Kristafer L. Adkins - MS (WVU)
Dental Hygiene
- Anissa Anderson - D.D.S., M.S. (WVU)
Status: Orthodontics
- Angela Beth Armstead - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- William Artrip, III - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Kenneth Banks - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Perry A. Barr - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Lynnel Beauchesne - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Aaron Bloom - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Stewart Bloom - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Jerry Bondurant - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Jody Boyles - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Leilani S. Brown - D.D.S. (WVU)
Status: Oral and Maxillofacial Surgery, Hospital Dentistry
- James G. Bryant - D.M.D. (U. KYU.)
Status: Oral and Maxillofacial Surgery, Hospital Dentistry
- Carol Buffington - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Mark A. Byron - D.D.S., MS (WVU)
Status: Endodontics
- Robert Campbell - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- John A. Capriolo - D.D.S. (U of MD.)
Status: Dental Practice and Rural Health
- Bruce Cassis - D.D.S. (WVU)
Status: Dental Practice and Rural Health

- Michelle Chapman-Paterno - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Karen Collins - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Kevin Conde - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Catherine Connor - D.D.S., M.S. (WVU)
Status: Endodontics
- Thomas Conklin - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Gary W. Cunningham - D.D.S. (WVU)
Status: Restorative Dentistry
- Cheryl Delp - D.D.S. (WVU)
Dental Practice and Rural Health
- Gerald E. Dice - D.D.S. (Ohio St. U)
Dental Practice and Rural Health
- Mary K. Doersch - D.D.S. (WVU)
Dental Practice and Rural Health
- Brian Dorsey - D.D.S. (WVU)
Dental Practice and Rural Health
- Robert C. Evans - D.D.S. (WVU)
Restorative
- Leo Fleckenstein - D.D.S. (St. Louis U)
Dental Practice and Rural Health
- Mitri Ghareeb - D.D.S. (WVU)
Dental Practice and Rural Health
- Sami Ghareeb - D.D.S, M.S. (Meharry Med College)
Dental Practice and Rural Health
- Steven Ghareeb - D.D.S. (WVU)
Dental Practice and Rural Health
- Llynn Gilbert - D.D.S. (WVU)
Dental Practice and Rural Health
- Jeffrey Gilmore - D.D.S., MS (Ohio St. U.)
Orthodontics
- James T. Hall - D.D.S. (WVU)
Dental Practice and Rural Health
- David Harman - D.D.S. (WVU)
Dental Practice and Rural Health
- Robert Harris - D.D.S. (WVU)
Dental Practice and Rural Health
- Patricia Harman - D.D.S. (WVU)
Dental Practice and Rural Health
- Carrie E. Hazey - D.D.S. (WVU)
Pediatric Dentistry
- Michael Hazey, III - D.D.S., MS (WVU)
Orthodontics
- Keith Hildebrand - D.D.S., MS (WVU)
Endodontics
- Tara Hilleary - D.D.S. (WVU)
Dental Practice and Rural Health
- Jimmie Hissem - D.D.S. (WVU)
Dental Practice and Rural Health
- Jennifer Howell - D.D.S. (WVU)
Dental Practice and Rural Health
- John Hubbard - D.D.S. (WVU)
Dental Practice and Rural Health
- Thomas Jarrett - D.D.S. (WVU), MS (St. Louis U)

Orthodontics

- Stephen S. Johns - D.D.S. (WVU)
Dental Practice and Rural Health
- Ali Kanawati - D.D.S., MBA, MS (WVU)
Restorative Dentistry
- Jon Paul Kardos - D.D.S. (WVU)
Dental Practice and Rural Health
- Andrea N. Kelley - D.D.S. (WVU)
Dental Practice and Rural Health
- Charles A. Kennedy - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- Mark Kilcollin - D.D.S. (WVU)
Dental Practice and Rural Health
- Jeffreery Kimble - D.D.S. (WVU)
Dental Practice and Rural Health
- J. Stephen Kimble - D.D.S. (WVU)
Dental Practice and Rural Health
- Don W. Kines - D.D.S. (WVU)
Dental Practice and Rural Health
- Kerry Kirsch - D.D.S. , MS (WVU)
Orthodontics
- William A. Klenk - D.D.S. (WVU)
Dental Practice and Rural Health
- Chad Lancaster - D.D.S. (WVU)
Dental Practice and Rural Health
- R. Brooks Legg - D.D.S. (WVU)
Dental Practice and Rural Health
- Thomas Leslie - D.D.S. (WVU)
Dental Practice and Rural Health
- Kevin Lewis - D.D.S. (WVU)
Dental Practice and Rural Health
- Lisa Lisauckis - MS (WVU)
Dental Hygiene
- Scott Little - D.D.S. (Ohio St. U.)
Orthodontics
- Cody Lockhart - D.D.S. (WVU)
Dental Practice and Rural Health
- J. Stephen Lovell - D.D.S. (WVU)
Restorative Dentistry
- David L. Mandel - D.D.S. (NY U)
Oral and Maxillofacial Surgery and Hospital Dentistry
- Laura Marple - D.D.S. (WVU)
Dental Practice and Rural Health
- Richard Marshall - D.D.S. (WVU)
Dental Practice and Rural Health
- Peter McCutcheon - D.D.S. (WVU)
Dental Practice and Rural Health
- Douglas J. McIntyre - D.D.S. (Ohio ST. U.)
Restorative Dentistry
- Donald McLaurin - D.D.S., M.D. (Baylor ,LSU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- A.B. Merbedone - D.D.S. (WVU)
Restorative Dentistry
- H. Darrell Milem - D.D.S. (WVU)
Dental Practice and Rural Health
- David E. Miranda - D.D.S. (WVU)

- Dental Practice and Rural Health
- Azati Misaghi - D.D.S. (WVU)
Dental Practice and Rural Health
- Janice Reed Morris - D.D.S. (WVU)
Dental Practice and Rural Health
- Bobbi Jo Muto - RDH, MS, (WVU)
Dental Practice and Rural Health
- William A. Myers, II - D.M.D. (U. Pitt)
Oral and Maxillofacial Surgery, Hospital Dentistry
- Gary Naylor - D.D.S. (WVU)
Restorative Dentistry
- Timothy Nichols - D.D.S. (WVU)
Dental Practice and Rural Health
- Christopher Pagano - D.D.S. (WVU)
Dental Practice and Rural Health
- Peter J. Pangilinan - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- Anthony Philips - B.S.c, D.D.S. (WVU)
Dental Practice and Rural Health
- Jon Pike - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- Amy Potesa Weber - D.D.S. (WVU)
Dental Practice and Rural Health
- Jason Rousch - D.D.S. (WVU)
Dental Practice and Rural Health
- Michael Romeo - D.D.S. (WVU)
Dental Practice and Rural Health
- Thaddeus Rusiecki - D.D.S. (Ohio St. U)
Oral Maxillofacial Surgery, Hospital Dentistry
- Helen Dee Rymer - D.D.S. (WVU)
Dental Practice and Rural Health
- Mattherw Scarberry - D.D.S. (WVU)
Dental Practice and Rural Health
- Gina Sharps - BS (WVU)
Dental Practice and Rural Health
- Bruce V. Shipe - D.D.S. (WVU)
Restorative Dentistry
- John Shreve - D.D.S. (WVU)
Restorative Dentistry
- Jeremy Simms - D.D.S. (WVU)
Dental Practice and Rural Health
- Donald E. Skaff - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- Michael Sokolosky - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- Mark A. Spiker - D.D.S. (WVU)
Dental Practice and Rural Health
- Timothy Stewart - D.D.S. (U MD)
Dental Practice and Rural Health
- Daniel J. Tatich - D.D.S (WVU)
Oral Maxillofacial Surgery, Hospital Dentistry
- Dan Taylor - D.D.S. (WVU)
Dental Practice and Rural Health
- Timothy Thorne - D.D.S. (WVU)
Dental Practice and Rural Health
- Gerald Veltri - D.D.S. (WVU)

Dental Practice and Rural Health

- Allison M. Wilson - D.D.S., (WVU)
Pediatric Dentistry
- Kristofer L. Adkins - BSHA, MS (WVU)
Dental Hygiene

Professors

- Michael D. Bagby - D.D.S. (Loyola U.) MS, (Northwestern U), PhD (Northwestern U)
Restorative Dentistry
- Lester H. Bakos - D.D.S. (WVU)
Status: Oral and Maxillofacial Surgery, Hospital Dentistry
- Mohssen Ghalichebaf - D.D.S. (Ind. U) , MS (U of Rochester)
Restorative Dentistry
- George W. Harper - D.D.S. (WVU)
Restorative Dentistry
- Robert H. Hornbrook - D.D.S. (WVU), MSD (Indiana)
Periodontics
- Elizabeth C. Kao - D.M.D. (U. Penn.)
Restorative Dentistry
- Gordon G. Keyes - D.D.S., J.D. (U. MD. , WVU), MS (U of Minn)
Oral and Maxillofacial Surgery, Hospital Dentistry
- William Marshall - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- Gerald Nieuwma - D.D.S. (U. Mich.)
Oral and Maxillofacial Surgery, Hospital Dentistry
- Harold H. Reed - D.D.S., M.S. (WVU)
Periodontics
- Mark W. Richards - D.D.S. (U. Wash.), M.Ed> (George Washington U)
Restorative Dentistry
- Robert N. Stuchell - D.M.D. (U Pitt)
Periodontics
- David H. Walker - D.D.S. (WVU)
Dental Practice and Rural Health
- Stephen J. Wetmore - MD (U Mich)
Oral and Maxillofacial Surgery, Hospital Dentistry

Clinical professors

- Frank S. Balaban - D.D.S., MS (WVU)
Endodontics
- John B. Haley Jr. - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- David A. Lattanzi - D.D.S. (Case West. Res. U)
Oral and Maxillofacial Surgery and Hospital Dentistry
- William M. Oscanyan - D.D.S. (WVU)
Restorative Dentistry
- David T. Puderbaugh - D.D.S. (WVU)
Restorative Dentistry
- Donald T. Sauter - D.D.S. (Ohio St. U)
Restorative Dentistry
- John G. Thomas - Ph.D (Syracuse U)
Periodontics
- A.E. Skidmore - D.D.S., MS (WVU)
Endodontics

Clinical associate professors

- Byron H. Black - D.D.S. (WVU)
Status: Oral and Maxillofacial Surgery, Hospital Dentistry

- Eric R. Brannon - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- Regina R. Brannon - D.D.S. (WVU)
Status: Dental Practice and Rural Health
- John H. Dempsey - D.D.S. (U.M.D.)
Orthodontics
- Amy Everett - D.D.S. (WVU)
Dental Practice and Rural Health
- Lewis Gilbert - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- William G. Golden - D.D.S. (WVU)
Restorative Dentistry
- Joseph D. Hancock - D.D.S. (WVU)
Oral and Maxillofacial Surgery and Hospital Dentistry
- John K. Kuyk - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- Edward McFarland - D.M.D., M.S.D. (U Pitt)
Orthodontics
- Daniel W. McNeil - PhD. (U. Ala.)
Dental Practice and Rural Health
- Susan K. Morgan - D.D.S. (WVU)
Periodontics
- John W. Perrine - D.D.S. (WVU)
Dental Practice and Rural Health
- William F. Queen - D.D.S. (WVU)
Restorative Dentistry
- W. Dean Russell - D.D.S. (Emory U)
Oral and Maxillofacial Surgery, Hospital Dentistry
- Lawrence E. Syner - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- W. Christopher Taylor - D.D.S. (WVU)
Oral Maxillofacial Surgery, Hospital Dentistry
- William M. Wine - D.D.S. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry
- William G. Golden - D.D.S. (WVU)
Restorative Dentistry

Adjunct professor

- Jerry Bouquot - D.D.S., M.S. (U. of Minn.)
Status: Dental Practice and Rural Health

Associate professors

- Eros S. Chaves - D.M.D. (U. Pitt.) MS (U of Michigan)
Periodontics
- Geoffrey R. Cunningham - D.D.S., MS (WVU)
Restorative Dentistry
- Cathryn Frere - M.S. (U.S.C.)
Dental Hygiene
- Chris Martin - D.D.S., MS (WVU)
Orthodontics
- Elliot Shulman - D.D.S., MS (Loma Linda U)
Pediatric Dentistry
- Louise Tupta Veselicky - D.D.S., MS (WVU), MDS (U of Pitt)
Periodontics

Interim Chair

- Bryan Dye - D.D.S. (WVU), MS (UTSA Health Science Center)
Restorative Dentistry

Interim Director

- Amy Funk - R.D.H., B.S., M.S. (WVU)
Dental Hygiene

Assistant professors

- Thomas N. Brindock - D.M.D., MPH (U of Pitt)
Restorative Dentistry
- Ashlee Charnoplosky - MS (WVU)
Dental Hygiene
- M. Suann Gaydos - B.S., M.S. (WVU)
Dental Hygiene
- Lora D. Graves - D.D.S. (WVU)
Restorative Dentistry
- Frank Mastalerz, Jr. - D.D.S. (WVU)
Restorative Dentistry
- Michael Meador - D.D.S. (WVU)
Restorative Dentistry
- Shelia Ann Scumaci - BS, MBA (WVU)
Dental Hygiene
- Alcinda Trickett Shockey - MA (WVU)
Dental Hygiene
- Bei Wu - PhD. (U Mass)
Dental Practice and Rural Health
- Thomas N. Brindock - D.M.D. (U of Pitt)
Restorative Dentistry
- Ashlee Charnoplosky - BSDH, MS (WVU)
Dental Hygiene

Associate professors emeriti

- C. Russell Jackson - D.D.S., MS (WVU)
Endodontics

Clinical instructors

- Katie Kilcollin - D.D.S. (WVU)
Dental Practice and Rural Health
- Zachary Law - D.D.S. (WVU)
Dental Practice and Rural Health
- Angela London - D.D.S. (WVU)
Pediatric Dentistry
- Valerie Perrine - D.D.S. (WVU)
Dental Practice and Rural Health

Co-chairs

- Richard L. Meckstroth - D.D.S. (Loma Linda U.)
Dental Practice and Rural Health
- Peter W. Ngan - D.M.D. (Harvard)
Orthodontics
- Thomas F. Razmus - D.D.S. (U. Mich), MS (U of Texas Health Science Center)
Diagnostic Sciences
- Bryan D. Weaver - D.D.S., M.D. (WVU)
Oral and Maxillofacial Surgery, Hospital Dentistry

Adjunct Professor Emeritus

- Robert L. Murphy - M.S. (Cath. U. AM.)
Periodontics

Instructor

- Michael Wilson - D.D.S. (WVU)
Dental Practice and Rural Health

Dental Hygiene

Degree Offered

- Bachelor of Science in Dental Hygiene
- Master of Science in Dental Hygiene

The Profession

Dental hygiene is an exciting profession with many rewarding and challenging career opportunities which include clinical/patient care, administration, education, research, and sales/marketing. Dental hygienists are employed in diverse settings such as private dental practices, clinics, hospitals, geriatric dental educational programs, national, state, and local government agencies, and private/business industry. As a licensed health professional and oral health educator, the dental hygienist has an important role in the overall health and welfare of the public. The dental hygienist is an integral part of the dental team, providing direct patient care based on the prevention of disease. The duties and responsibilities of dental hygienists vary from state to state, but may include oral prophylaxis (removing stains and deposits from teeth), root debridement, exposing radiographs, application of preventive and therapeutic agents, local delivery of antimicrobial agents, nutritional counseling, oral, head, and neck cancer screenings, monitoring nitrous oxide sedation, and administration of local anesthesia. The educational background of a dental hygienist provides the knowledge, attitudes, and skill necessary to be successful in a wide variety of careers. From providing clinical care to research to public administration, dental hygiene opens the door to many successful career options.

Nature of the Program

The establishment of the integrated baccalaureate degree in dental hygiene program at West Virginia University in September 1961 was a milestone in dental hygiene education. The program stands out as one of the top dental hygiene programs nationally as shown by the students' commitment to excellence. With the addition of the degree completion program in 1987 and the master of science program in 1989, the Division of Dental Hygiene provides graduates the opportunity to further their education. The integrated curriculum in dental hygiene combines the advantages of both liberal arts and the professional aspects of education. Graduates from the program are awarded a bachelor of science degree in dental hygiene, with the option to obtain a master of science degree with the completion of a minimum of one additional year.

The dental hygiene curriculum is rigorous and provides excellent preparation for the practice of dental hygiene in numerous practice settings. The curriculum requires successful completion of a total of 136 hours and was constructed in accordance with the standards specified for a school of dental hygiene by the American Dental Association Commission on Dental Accreditation. The program has been fully accredited by this organization since 1965.

The dental hygiene program has a strong commitment to providing care and educational programs to residents of West Virginia, which is demonstrated by the required 100 hours of service learning and clinical care courses. To provide students in dental hygiene program with the necessary clinical experience that is required, the School of Dentistry maintains and operated dental clinics in the Robert C. Byrd Health Sciences Center School of Dentistry. Through the West Virginia Rural Health Education Program (WVRHEP), students are required to provide direct patient care for the citizens of West Virginia at a rural site during the summer session between their junior and senior year.

The dental hygiene program has an excellent reputation for producing outstanding clinicians, and many faculty members as well as graduates are recognized as leaders in dental education and organized dentistry.

Academic and Professional Standards

Dental Hygiene -Student Rights and Responsibilities

(Effective for all undergraduate students enrolled in the Dental Hygiene Program)

I. Preamble

By enrolling in the Dental Hygiene program of West Virginia University, the student accepts the academic and professional standards/requirements outlined herein as requisite for continued enrollment in this curriculum and graduation. Knowledge of and conformity to these standards/requirements are the students' responsibility.

Students enjoy the rights specified in the West Virginia University Board of Governors Policy #10 which include freedom of expression and assembly, freedom of association, and privacy.

Students are expected to abide by federal, state, and local statutes and ordinances, both on and off campus, refrain from behavior incompatible with the responsibilities of the dental profession, and follow the specific rules of conduct established in West Virginia University Board of Governors Policy #10.

In all disciplinary proceedings, students are considered innocent until allegations with regard to violations of this policy have been established by clear and convincing evidence.

II. Professional Performance Standards

A. Personal Appearance:

Students are required at all times to be in compliance with the requirements of dress and appearance contained in the document entitled *WVU School of Dentistry Policy on Professional Appearance* (Appendix A).

B. Personal Behavior/Conduct:

Students are required at all times to be in compliance with the *Student Code of Academic and Professional Behavior* (Appendix B).

III. Dental Hygiene Academic Policies

At mid-term and the conclusion of every semester, the Dental Hygiene Committee on Academic and Professional Standards reviews the status of every student in the program. The committee may also convene more frequently as any Professional/Academic situations arise. The Committee recommends promotion, probation, suspension, or dismissal to the Dean of the School of Dentistry.

If students fulfill all course requirements, meet all professional standards and have the necessary grade point averages, promotion is unconditional.

A. All students enrolled in the Dental Hygiene Program must maintain full-time status and meet with the Director prior to making any changes to their prescribed schedule. Alterations in your schedule could adversely affect your ability to meet Program expectations and could result in sanctions up to and including dismissal.

B. Students must maintain cumulative and dental hygiene/science grade point averages of 2.25 (2.5 for the incoming freshman class, fall 2011) or higher. The dental hygiene/science grade point average is based upon the average of grades earned in all attempts of the following courses, or their equivalent:

C. A grade of "F" in a dental hygiene/science course or failure to attain a 2.25 (2.5 for the incoming freshman class, fall 2011) cumulative or dental hygiene/science grade point average in any semester will result in placing a student on probation.

D. Students on probation who do not raise their cumulative or dental hygiene/science grade point average to 2.25 (2.5 for the incoming freshman class, fall 2011) or better the following semester may be dismissed from the Dental Hygiene program.

E. A student who receives a grade of D, F, W, or WU in a required dental hygiene/science course must repeat that course. These courses may only be repeated ONCE. Failure to earn a grade of C or better on your second attempt will result in dismissal from the Dental Hygiene program.

F. A student may repeat only TWO dental hygiene/science courses throughout the Dental Hygiene curriculum. A third D or F in a dental hygiene/science course may require the student to repeat the year as a full-time student as determined by the Academic and Professional Standards Committee. Four or more grades of D or F will result in dismissal from the Dental Hygiene program, and the student will be ineligible for readmission to the Program.

G. The Dental Hygiene Program will acknowledge West Virginia University's D/F repeat policy in relationship to determining the overall grade point average, hours attempted and hours earned. The Program will utilize both grades (attempts) to determine the dental hygiene/science grade point average. Rectifying one or more grades of D, F, W, or WU through the D/F repeat policy does not negate recognizing the original grade (1st attempt) by the Program in determining the sanctions associated with the number of courses.

H. Students repeating the year are required to repeat any dental hygiene courses in which they were enrolled that year and earned a grade of "C" or below. The Academic and Professional Standards Committee may also prescribe any additional course to enhance the student's academic progress and psycho-motor skills.

I. Prior to entrance into the fall semester of the sophomore (2nd) year, a student must have successfully completed Chemistry 111/112.

J. Prior to entrance into , a student must pass all Basic Science courses required in the first two years of the curriculum.

K. Dental hygiene/science per-requisite courses in which students earn a grade of D, F, W, or WU must be repeated prior to the student's progression to the next course in that sequence and at the discretion of the Academic and Professional Standards Committee, may result in repeating the year.

L. The Division of Dental Hygiene reserves the right to recommend imposition or academic sanctions, to require remedial work, or to withhold the opportunity to take one or more licensing exams. This policy would affect any student who may have met formal curriculum requirements, but who lacks the professional skills and/or behavior and conduct considered necessary for the baccalaureate degree in Dental Hygiene.

M. Students recommended for dismissal have the opportunity to for due process by writing to the Academic and Professional Standards Committee within five working days of receipt of the written notice and may be asked to meet in person with the recommending Committee. (See Academic Sanctions: Procedures and Appeals in the WVU Student Handbook.) The Dean may accept, modify, or reject the Academic and Professional Standards Committee's recommendation. The Dean's decision is final.

N. Successful completion of the National Dental Hygiene Board Examination is a requirement for graduation. Failure to produce evidence of taking this examination before the first day of the spring semester of the senior year will result in academic sanctions up to and including repeating the year or dismissal.

O. All students are also required to take a clinical board for licensure prior to graduation.

P. The School of Dentistry Division of Dental Hygiene reserves the right to declare a student ineligible for any licensure examination (national, regional, or state boards).

Admission

To apply to the program, go to http://adm.wvu.edu/home/health_sciences_students and follow the "On-line Application" link at the bottom of the page. You may also get an application by contacting:

The Division of Dental Hygiene

West Virginia University

PO Box 9425

Morgantown, WV 26506

Or

The Office of Admissions

Health Sciences Center

PO Box 9815

Morgantown, WV 26506

Applicants for the fall semester should be received by March 1st of the preceding spring semester. To be considered for the program, you need to complete the entire dental hygiene application, including the one-page essay, shadowing form, and shadowing essay.

The Dental Hygiene Admissions committee pays particular attention to scholastic achievement in science courses as well as overall grade point average and involvement in community service activities. Physical strength with the ability to sit and stand as required, fine precision bilateral manipulative hand/motor skills, adequate visual acuity, eye/hand/foot coordination, and emotional stability are essential characteristics for individuals who wish to enter and continue in the dental hygiene program. They must meet other medical qualifications as required. Reasonable accommodation will be considered for students with special needs.

The Dental Hygiene Admissions Committee reviews all applications. If you are among the most qualified, you may be invited to come to the campus for a personal interview. Competition for admission is intense. Preference is given to residents of West Virginia.

Direct Admission (Freshman Entry)

Applicants are eligible to enter the program as freshmen. Admission is based on the above mentioned criteria plus a minimum high school grade point average of 3.5 and a composite score of ACT 22 or total SAT (reading and math) of 1140. Additionally, applicants must meet all the University admission requirements which include successful completion of the following high school requirements:

- 4 units of English (including grammar, composition, and literature)
- 4 units of college preparatory mathematics (Three units must be Algebra I and II and Plane Geometry)
- 3 units of social studies (including U.S. History)
- 3 units of science (ALL units must be laboratory science. Recommended units include: biology, chemistry, physics, anatomy, and environmental science)

- 2 units of a foreign language, must be the same language (American Sign Language is acceptable for this requirement)
- 1 unit of fine arts (recommended units include: Music, band, art, theater, dance, drama, and performance)

Additional science courses on the high school level are recommended. To be eligible for enrollment, the applicant must be a graduate of an accredited high school or preparatory school that is acceptable for college entrance. Please visit the West Virginia University website for more information: http://adm.wvu.edu/freshman/university_admissions_requirements.

Degree Completion Program

If you are a registered dental hygienist, you can be admitted directly to the Division of Dental Hygiene as a full-time or a part-time student. To be eligible for the degree completion program, you must have a certificate or associate's degree from an accredited dental hygiene program. You can transfer lower-division credits (see "Suggested Dental Hygiene Curriculum"). Your acceptance and placement in the program depend upon your academic record and upon the number of spaces available.

When you apply, we ask you to include complete records of previous study. An official transcript needs to be mailed to us by the registrar of your previous school. Include catalog descriptions of the courses taken. If you are currently enrolled in a certificate or associate's degree program, include your program of study. You are responsible for the submission of a complete record package. You can enter the degree completion program twice a year. Applications can be obtained after September 1st of the year preceding application to the program. The *WVU Health Sciences Center Catalog* contains complete information about this program in dental hygiene.

Advanced Standing Admission (Sophomore Entry)

Students may apply to the program with a minimum college overall grade point average of 3.0 and completion of the following per-requisite college courses with a grade of C or better:

Required Math and Science Courses:

BIOL 102	General Biology	3
BIOL 104	General Biology Laboratory	1
CHEM 111	Survey of Chemistry	4
CHEM 112	Survey of Chemistry	4
Select one of the following:		3
MATH 126A	College Algebra 5-Day	
MATH 126B	College Algebra 4-Day	
MATH 126C	College Algebra 3-Day	
HN&F 171	Introduction to Nutrition	3
NBAN 107	Intro Human Anat/Physiol	4
Select a minimum of 15 credit hours from the following courses:		15
DTHY 100	Health Care Terminology	
DTHY 101	Introduction to Dental Hygiene	
ENGL 101	Composition And Rhetoric	
ENGL 102	Composition And Rhetoric	
SOCA 101	Introduction to Sociology	
PSYC 101	Introduction to Psychology	
PSYC 241	Intro to Human Development	
Select one of the following:		3
COMM 100 & COMM 102	Principles-Human Communication and Human Comm-Interprsnl Context	
COMM 104	Public Communication	
GEC Objectives (Select from objectives 3, 5, 8, or 9)		12
Total Hours		52

Suggested Plan of Study

First Year

Fall	Hours	Spring	Hours	Summer	Hours
CHEM 111	4	BIOL 102	3	GEC Objectives (Select from objectives 3, 5, 8, or 9)*	6
Select one of the following:		3	BIOL 104	1	
COMM 100 & COMM 102*		CHEM 112	4		

COMM 104*		DTHY 100*	1		
DTHY 101*	2	NBAN 107	4		
ENGL 101*	3	PSYC 101*	3		
WVUE 191	1	HN&F 171	3		
Choose one of the following:	3				
MATH 126A					
MATH 126B					
MATH 126C					
GEC Objective (Select from objectives 3, 5, 8, or 9)*	3				
	19		19		6
Second Year					
Fall	Hours	Spring	Hours	Summer	Hours
DTHY 185	2	DTHY 186	2	DTHY 226	1
DTHY 205	2	DTHY 211	1	PCOL 260 (Web)	3
DTHY 210	2	DTHY 225	4		
NBAN 207	4	ENGL 102*	3		
MICB 200	3	SOCA 101	3		
PSYC 241*	3	NBAN 309	2		
	16		15		4
Third Year					
Fall	Hours	Spring	Hours	Summer	Hours
DTHY 350	2	DTHY 300	1	DTHY 491	1-18
DTHY 360	3	DTHY 351	3		
DTHY 363	1	DTHY 361	2		
DTHY 366	1	DTHY 364	2		
DTHY 370	2	DTHY 374	3		
DTHY 372	2	DTHY 378	2		
PATH 300	3	PATH 302	3		
GEC Objective (Select from objectives 3, 5, 8, or 9)*	3				
	17		16		1-18
Fourth Year					
Fall	Hours	Spring	Hours		
DTHY 402	1	DTHY 406	3,4		
DTHY 405	4	DTHY 407	2		
DTHY 445	1	DTHY 440	1		
DTHY 450	2	DTHY 451	2		
DTHY 478	1	Select one of the following electives:	2		
Select one of the following electives:	1	DTHY 490			
DTHY 490		DTHY 492			
DTHY 492		DTHY 495			
DTHY 495		GEC Objective (Select from objectives 3, 5, 8, or 9)*	3		
GEC Objective (Select from objectives 3, 5, 8, or 9)*	3				
	13		13-14		

Total credit hours: 139-157

* Courses subject to varied sequencing.

e-mail: afunk@hsc.wvu.edu

Degree Offered

- Master of Science

The School of Dentistry and its Division of Dental Hygiene offer a program of advanced study leading to the degree of master of science. This program requires a minimum of 38 semester hours through full-time or part-time enrollment in the School of Dentistry. It is designed to qualify dental hygienists for careers in teaching, administration, research, and management.

Inquiries concerning this program should be directed to the Office of Academic and Postdoctoral Affairs, School of Dentistry. Applications should be filed by July 1 for fall admission and by October 15 for spring enrollment.

Admission Requirements

The program's admission requirements are as follows:

- Meet WVU requirements for admission to graduate study. Applicants who do not meet the minimum requirements for admission must gain provisional acceptance into the program. All provisions of admission must be met no later than completion of the 18th credit hour to be reclassified as a regular student. A student who fails to meet the provisions of admission or who fails to meet the required GPA will be suspended.
- Possess a baccalaureate degree in dental hygiene from an accredited dental hygiene program or a baccalaureate degree in another field of study from an approved institution of higher education while holding a certificate or associate's degree in dental hygiene from a program fully accredited by the American Dental Association Commission on Dental Accreditation.
- Demonstrate evidence of scholastic and clinical achievement to indicate the applicant's ability to progress in a program of this nature. Generally, a minimum grade point average of 3.0 or above on a 4.0 scale on all college work attempted is required.
- Complete the Graduate Record Examination (GRE) with an acceptable score within the last five years.
- Submit all information requested in the graduate application to the Office of Academic and Postdoctoral Affairs.
- Consent to and pass a criminal background investigation prior to final acceptance.

Degree Requirements — Master of Science Degree

- Complete a minimum of 40 semester credit hours: 26 required credit hours and 12 credit hours in an elective area(s) of dental hygiene specialization. Two elective areas of specialization are offered. These areas are teaching/administration and special patient care. The student chooses one area of study. Courses within these specializations are taught by a number of schools or colleges within the University. An individualized program will be devised for each student.
- Complete a maximum of six hours in research (part of the 28 hours required by the program) leading to an acceptable thesis.
- Oral defense of the thesis is required.
- Student teaching in the undergraduate clinic a minimum of one semester.

GPA

In order to earn a master's degree in dental hygiene students must also meet the following:

- Achieve of a 3.0 GPA or an overall academic average of at least a B in all work attempted in the master's program. A grade of C or below in one course will require a faculty review of the student's progress. A second C or below will result in dismissal from the program. A student may repeat only one course one time to bring the GPA up to the 3.0 requirement.
- Remove all conditions, deficiencies, and incomplete grades from the student's transcript. Credit hours for courses with a grade lower than C do not count toward degree requirements.

C&I 689	Cultural Diversity -Classroom	3
DTHY 678	Dental Hygiene Teaching Method	2
DENT 687	Research Methods	1
PUBH 601	Intro Community/Public Health	3
DTHY 679	Clinical Evaluation	2
DTHY 680	Dental Hygiene Sem/Practice 1	3
DTHY 690	Teaching Practicum	1
DTHY 697	Research	6
Elective area(s) of dental hygiene specialization *		12
DTHY 691	Advanced Topics	
Total Hours		33

- * Courses taught by the schools of:
 Business and Economics
 Educational Psychology
 Medicine (Community Health Promotion) and the
 Multidisciplinary Students Program
 Human Resources and Education

Faculty

Interim Director

- Amy D. Funk - MSDH

Associate professor

- Cathryn L. Frere - BSDH, MEd

Assistant professors

- Ashlee B. Charnoplosky - BSDH, MSDH
- M. Suann Gaydos - BSDH, MSDH
- Lisa E. Lisauckis - BSDH, MSDH
- Sheila A. Scumaci - BSDH, MBA
- Alcinda K. T. Shockey - BSDH, MA, DHSc

Clinical instructor

- Kristafer L. Adkins - BSDH, MSDH

Doctor of Dental Surgery

Doctor of Dental Surgery

The WVU School of Dentistry is dedicated to fostering a humanistic learning environment and preparing students to meet the oral health needs of a diverse society. A dental degree offers a variety of career options including private practice, teaching, research, and public health dentistry. In addition to the Doctor of Dental Surgery (DDS) degree, specialty practice areas may be pursued by advanced training. Oral health professionals are integral to the health care team. Emerging research indicates oral systemic health linkages and profound oral health disparities. The School of Dentistry engages students in a plethora of educational research experiences to identify reasons for these disparities and to develop culturally sensitive and interventions.

Due to the large number of applications received each year and limited class size, qualified West Virginia residents receive priority consideration, and outstanding nonresident applicants are also considered. Residency status is determined by the WVU Office of Admission in accordance to the Higher Education Policy Commission Rules and Policies, Series 25. Because the dental admissions committee utilizes a holistic selection process, it does not set absolute minimum Grade Point Averages (GPA) and Dental Admission Test (DAT) scores. Competition for admission has elevated the academic profile of admitted candidates to a rather high plateau. Nonresident applicants generally have earned a GPA of 3.75 or above and DAT scores of 19 or above. The School of Dentistry recognizes the importance of diversity in fulfilling its mission and encourages individuals from diverse backgrounds to apply.

Admission Requirements

Admission to the WVU School of Dentistry Doctor of Dental Surgery (D.D.S.) program is contingent upon satisfactory completion of all admission requirements, appropriate completion of all application instructions, submission of all transcripts from each college attended, submission of Dental Admission Test (DAT) scores, a personal interview, satisfactory completion of all courses taken before the time of registration in dental school (includes courses taken during the summer session immediately preceding initial enrollment), and all other requirements as set forth by the dental admission committee. Detailed information is available on the dental admissions webpage: <http://dentistry.wvu.edu/admissions>.

Applications should be submitted in the summer or early fall of the year prior to anticipated enrollment. Candidates for the D.D.S. degree must have abilities and skills of five varieties including observation; communication; motor; intellectual; conceptual; integrative; quantitative; behavioral and social. Technological compensation can be made for some disabilities in certain areas, but a candidate should be able to perform in a reasonably independent manner. (Refer to the School of Dentistry website for additional details about technical standards).

Applicants for admission must also present evidence of having successfully completed at least three years of college course work in U.S. or Canadian colleges or universities. To be considered for admission, applicants must have completed a minimum of 90 semester credit hours at the time of application. The prerequisites for admission include:

Courses

English composition and rhetoric, or equivalent	6
Zoology or Biology (with laboratory)	8
Inorganic Chemistry (with laboratory)	8
Organic Chemistry (with laboratory)	8

Physics (with laboratory)	8
Total Hours	38

Completion of courses in anatomy and physiology, microbiology, embryology/developmental biology, biochemistry, physiology, cellular and molecular biology, genetics and psychology are strongly recommended. In addition, courses in the humanities and the social sciences are recommended for a well-rounded intellectual background for the study and practice of dentistry. The School of Dentistry participates in the Associated American Dental Schools Application Service (AADSAS). All applications must be submitted online via AADSAS at <http://www.adea.org>. The AADSAS application becomes available in the beginning of June each year. November 1st is the deadline for submission of a completed AADSAS application for the West Virginia University School of Dentistry. Because the Dental Admissions Committee uses a rolling admissions process and begins admitting highly qualified individuals on December 1, applicants to the DDS program are strongly encouraged to apply early via the AADSAS. Each applicant is required to have letters of recommendation submitted to the AADSAS. Specific information regarding letter of recommendation requirements is available on the School of Dentistry website. Satisfactory completion of the Dental Admission Test (DAT) is required. The test is given at testing centers throughout the U.S. and in Canada. DAT registration is available on the American Dental Association (ADA) website www.ada.org (<http://www.ada.org>). DAT scores must be submitted by November 1st of the year preceding the date of anticipated matriculation. The Dental Admission Committee evaluates all AADSAS applications and invites selected applicants to submit a secondary (WVU) application. Applicants who are West Virginia residents are usually interviewed, although the admissions committee may elect not to interview an unrealistic applicant. Selected non-resident applicants will also be invited for an interview depending on their qualifications. Individuals who receive provisional acceptance must obtain criminal background clearance and provide documentation of the specified immunizations prior to matriculation.

International Dental Graduate Guidelines

International dental graduates who wish to apply to the WVU School of Dentistry Doctor of Dental Surgery (D.D.S.) program as a student in the first-year class must:

Submit an application through the Associated American Dental Schools Application Service (AADSAS) by November 1. For additional information, please refer to the general admissions requirements, which include completion of at least 90 semester credit hours at a U.S. or Canadian College or University prior to application submission.

1. Provide documentation of a D.D.S. or D.M.D. degree (or equivalent) from a non-U.S. dental school.
2. Demonstrate proficiency in the English language as demonstrated by performance on the TEST of English as a Foreign Language (TOEFL) - paper-based minimum score of 500 or computer-based minimum score of 173 or internet-based test minimum score of 61 - and completion of English 1 and English 2 (Or equivalent) at an accredited U.S. college or university earning grade of C or above.
3. Provide three letters of recommendation by college instructors who are familiar with the applicant, excluding family members.
4. Submit Dental Admission Test (DAT) scores showing at least average competence in the various subsections of the test - 17 minimum score, or provide evidence of having successfully passed the National Board Dental Examination, Part I, within five years preceding the application.
5. Have all previous coursework from non-U.S. colleges evaluated by Educational Credential Evaluators (ECE) or the World Educational Services (WES). An official or certified copy of the evaluation must be provided to WVU. The applicant is responsible for payment of fees for this service.
6. Provide official transcripts from all schools attended in the original language of issue.

If granted an interview, applicants must present to the school for personal interview with the admissions committee. Applicants who are invited for an interview must complete the secondary (institution) application for admission and submit the associated fees. The transcripts of international dental graduates who are approved for an interview will be evaluated by the WVU Office of Admission, International unit. West Virginia residents will be given priority consideration.

Degree Requirements

Candidates for graduation are recommended by the faculty of the School of Dentistry to the Board of Governors for approval and for the conferring of the degree of Doctor of Dental Surgery (D.D.S.), provided they fully meet the following conditions:

- Shall have been in regular attendance in the School of Dentistry for the academic period prescribed for each student.
- Shall have completed the prescribed curriculum for each of the academic sessions.
- Shall have shown good moral character and shall have demonstrated a sense of professional responsibility in the performance of all assignments as a student.
- Shall have met in full all financial obligations to the University.

In view of public and professional responsibilities, the faculty of each of the professional schools of WVU has the authority to recommend to the president of the University the removal of any student from its rolls whenever, by formal decision reduced to writing, the faculty finds that the student is unfit to meet the qualifications and responsibilities of the profession.

Curriculum

The required courses in the prescribed curriculum are presented throughout eight semesters and three summer sessions. During this time, all students are enrolled in courses designed primarily to prepare them to be competent in the general practice of dentistry. Throughout the program, overall student progress is continually monitored by the Academic and Professional Standards Committee. Students must remain full-time and must satisfactorily complete all courses for which they have registered. Additional requirements include participation in mock board examinations and a minimum of six weeks of remote-site training by fourth-year students.

Promotion

At the end of each grading period (i.e., each academic semester or summer session) all students will have their individual progress reviewed by the Academic and Professional Standards Committee convened for their class. The progress of each student in the curriculum is governed by minimum acceptable performance standards upon which the committee bases its decisions.

The standards consist of three categories: scholastic performance, clinic performance and utilization, and professional development. Scholastic performance requires that each student must earn a specified grade point average to be promoted to the succeeding year. Clinic performance and utilization requires that each student must utilize a specified percentage of available clinic time to demonstrate steady progress toward attainment of clinical competency. Professional development is an important component of the study of dentistry. The criteria for determining this development are based on the student's personal behavior and patient management skills.

These performance standards are explained in detail in the document entitled WVU School of Dentistry Academic and Professional Standards. All first-year students are presented this document prior to entering school and are required to acknowledge by their signature that they have read and accepted the conditions set by the material contained therein. At the completion of each academic term, following the Committee on Academic and Professional Standards meetings, the status of each student is reported to the dean. The committee may recommend that a student be promoted unconditionally, be promoted on probation, be allowed to make up deficiencies, be given the opportunity to repeat the year, or be suspended or dismissed from further studies in the School of Dentistry. Final disposition in each case is the prerogative of the Dean of the School of Dentistry.

Endodontics

The Division of Dental Hygiene and the Departments of Endodontics, Orthodontics, and Restorative Dentistry offer programs of advanced study leading to the degree of master of science. The department of oral and maxillofacial surgery offers one four-year residency. A general practice residency is also an option. Continuing education courses are offered throughout the year. Detailed information concerning admission requirements, courses of study, etc., may be obtained from:

the Office of the Associate Dean for Academic and Postdoctoral Affairs
WVU School of Dentistry
P.O. Box 9402
Morgantown, WV 26506

Degree Offered

- Master of Science

The School of Dentistry and its Department of Endodontics offer a program of advanced study and clinical training leading to the degree of master of science. The program requires a minimum of 24 months (two academic years and two summer sessions) of full-time residency in the School of Dentistry. It is designed to qualify dentists for careers in endodontic clinical practice, teaching, and research.

Inquiries concerning this program should be directed to the Office of Academic and Postdoctoral Affairs. Applicants will be processed in the School of Dentistry. Applicants approved for admission to the program will be notified soon after interviews are completed.

Admission Requirements

The program's admission requirements are as follows:

- Must have passed the National Dental Board Examination—Part 1 and Part 2.
- Must have earned a D.M.D. or D.D.S. degree.
- Must be proficient in the English language.
- Must report most recent TOEFL score (if you are a foreign applicant).
- Must display evidence of scholastic and clinical achievement that would indicate the applicant's ability to progress in a program of this nature. Generally, a minimum grade-point average of 3.0 is required.

- Must apply to the program through the Postdoctoral Application Support Service (PASS, <http://www.adea.org/>) and have all application materials in PASS by August 1. For more detailed information go to the School of Dentistry website (<http://dentistry.hsc.wvu.edu/Academic-Programs/Graduate-Programs>).
- Must become familiar with the West Virginia University School of Dentistry's policy and procedure for Bloodborne Pathogens and Infectious Diseases.
- Must consent to and pass a criminal background investigation prior to final acceptance.

Degree Requirements — Master of Science degree

- Fulfill University requirements for graduate study.
- Complete 24 months (two academic years and two summer sessions) of consecutive full-time advanced study and clinical training at the School of Dentistry.
- Complete an approved master's thesis based on original research completed during the course of study in an area related to endodontics.
- Must satisfactorily pass a final oral examination.
- Must complete all didactic and clinical work in the required curriculum.
- Must demonstrate satisfactory clinical competency in endodontics.
- Complete a minimum of 70 credit hours, including 38 hours of endodontic courses, a minimum of 17 hours of selected basic sciences subjects, seven hours teaching practicum and a thesis (8 hours).
- Achieve a 3.0 GPA or an overall competence in the student's field. A minimum grade of B must be earned in all work attempted in the master's program. A grade of C or below in two courses will require a faculty review of the student's progress. A third C or below will result in suspension from the program.

Faculty

- C. Russell Jackson - D.D.S.,M.S.

Orthodontics

The Division of Dental Hygiene and the Departments of Endodontics, Orthodontics, and Restorative Dentistry offer programs of advanced study leading to the degree of master of science. The department of oral and maxillofacial surgery offers one four-year residency. A general practice residency is also an option. Continuing education courses are offered throughout the year. Detailed information concerning admission requirements, courses of study, etc., may be obtained from:

the Office of the Associate Dean for Academic and Postdoctoral Affairs
 WVU School of Dentistry
 P.O. Box 9402
 Morgantown, WV 26506

Degree Offered

- Master of Science

The School of Dentistry and its Department of Orthodontics offer a program of advanced study and clinical training leading to the degree of master of science. The program requires a minimum of 34 months (three academic years and two summers) of full-time residency in the School of Dentistry. It is designed to qualify dentists for careers in orthodontic clinical practice, teaching, and research.

Inquiries concerning this program should be directed to the Office of Academic and Postdoctoral Affairs. Applications will be processed in the School of Dentistry. Applicants approved for admission to the program will be notified soon after December 1.

Admission Requirements

The program's admission requirements are as follows:

- Must have passed the National Dental Board Examination — Part I.
- Must have earned a D.M.D./D.D.S. degree, or its equivalent.
- Must report most recent GRE scores.
- Must be proficient in the English language.
- Must provide the most recent TOEFL score (if you are a foreign applicant).

- Must display evidence of scholastic and clinical achievement that would indicate the applicant's ability to progress in a program of this nature. Generally, a minimum grade point average of 3.0 is required.
- Must apply to the program through the Postdoctoral Application Support Service (PASS, <http://www.adea.org/>) and have all application materials in PASS by September 1. Each applicant must also have a MATCH number from National Matching Services (<http://www.natmatch.com>). For more detailed information go to the School of Dentistry website (<http://dentistry.hsc.wvu.edu/Academic-Programs/Graduate-Programs>).
- Must become familiar with the West Virginia University School of Dentistry's policy and procedure for Bloodborne Pathogens and Infectious Diseases.
- Must consent to and pass a criminal background investigation prior to final acceptance.

Degree Requirements — Master of Science degree

- Fulfill University requirements for graduate study.
- Complete 34 months (three academic years and two summer sessions) of consecutive full-time advanced study and clinical training at the School of Dentistry.
- Complete an approved master's thesis based on original research completed during the course of study in an area related to orthodontics.
- Must satisfactorily pass the Mock ABO clinical examination which includes a written and an oral examination.
- Must pass the written component of the ABO examination.
- Must complete all didactic and clinical work in the required curriculum.
- Must demonstrate satisfactory clinical competency in this field.
- Complete a minimum of 87 credit hours, including 57 hours of orthodontic courses and a minimum of 11 hours of selected basic science subjects, six hours of teaching practicum, and a research/thesis (13 hours).
- Achieve a 3.0 GPA or an overall competence in the student's field. A minimum grade of B must be earned in all work attempted in the master's program. A grade of C or below in two courses will require a faculty review of the student's progress. A third C or below will result in suspension from the program.

Faculty

Chair

- Peter Ngan - D.M.D.

Prosthodontics

The Division of Dental Hygiene and the Departments of Endodontics, Orthodontics, and Restorative Dentistry offer programs of advanced study leading to the degree of master of science. The department of oral and maxillofacial surgery offers one four-year residency. A general practice residency is also an option. Continuing education courses are offered throughout the year. Detailed information concerning admission requirements, courses of study, etc., may be obtained from:

the Office of the Associate Dean for Academic and Postdoctoral Affairs
WVU School of Dentistry
P.O. Box 9402
Morgantown, WV 26506

Degree Offered

- Master of Science

The School of Dentistry and its Department of Restorative Dentistry offers a three-year program of advanced study and clinical training in the dental specialty of prosthodontics. The program requires a minimum of 33 months (three academic years and two summers) leading to a certificate in prosthodontics and a master of science degree. The purpose of this program is to train well-qualified dentists in all aspects of advanced prosthodontics and is designed to qualify them for careers in prosthodontic clinical practice, teaching, and research.

Inquiries concerning this program should be directed to the Office of Academic and Postdoctoral Affairs. Applications will be processed in the School of Dentistry. Applicants approved for admission to the program will be notified soon after interviews have been completed.

Admission Requirements

The program's admission requirements are as follows:

- Must have passed National Dental Board Examination – Part I.
- Must have earned a D.M.D./D.D.S. degree, or its equivalent.
- Must be a graduate of a U.S. or Canadian dental school.
- Must be proficient in the English language.
- Must display evidence of scholastic and clinical achievement that would indicate the applicant's ability to progress in a program of this nature. Generally, a minimum grade point average of 3.0 is required.
- Must apply to the program through the Postdoctoral Application Support Service (PASS, <http://www.adea.org/>) and have all application materials in PASS by September 15. For more detailed information go to the School of Dentistry website (<http://dentistry.hsc.wvu.edu/Academic-Programs/Graduate-Programs>).
- Must become familiar with the West Virginia School of Dentistry's policy and procedure for Bloodborne Pathogens and Infectious Diseases.
- Must consent to and pass a criminal background investigation prior to final acceptance.

Degree Requirements — Master of Science degree

- Fulfill University requirements for graduate study.
- Complete 33 months (three academic years and two summer sessions) of consecutive full-time advanced study and clinical training at the School of Dentistry.
- Complete an approved master's thesis based on original research completed during the course of study in an area related to prosthodontics.
- Must satisfactorily pass a final oral examination.
- Must complete all didactic and clinical work in the required curriculum.
- Demonstrate satisfactory clinical competency in this field.
- Complete a minimum of 84 credit hours. This includes 60 credit hours of prosthodontic courses, a minimum of 11 credit hours of selected basic science subjects, six hours of teaching practicum, and seven credit hours for completion of a master's thesis.
- Achieve a 3.0 GPA or an overall competence in the student's field. A minimum grade of B must be earned in all work attempted in the master's program. A grade of C or below in two courses will require a faculty review of the student's progress. A third C or below will result in suspension from the program.

Faculty

DDS

- Mark W. Richards
FACP, Director

School of Dentistry Course Schedule

First Year

Fall	Hours	Spring	Hours	Summer	Hours
DENT 701	2	DENT 700	1	DENT 703	3
DENT 710	4	DENT 704	4	DENT 722	4
DENT 712	3	DENT 711	2	DENT 734	6
NBAN 724	7	BIOC 705	5	DENT 745	1
PSIO 743	5	DENT 715	2		
		DENT 719	1		
		NBAN 718	6		
		DENT 731	2		
	21		23		14

Second Year

Fall	Hours	Spring	Hours	Summer	Hours
DENT 707	2	DENT 707	2	DENT 725	1
MICB 702	5	DENT 721	2	DENT 726	7
DENT 722	4	DENT 726	7	DENT 737	2
DENT 727	1	PATH 728	5	DENT 740	1
DENT 729	3	DENT 737	2	DENT 746	1
DENT 734	6	DENT 739	1	DENT 770	0-6
DENT 735	1	PATH 738	3	DENT 775	0-6

PCOL 760	5	DENT 744	1	DENT 776	0-6
DENT 756	4	DENT 766	2	DENT 777	0-6
		DENT 774	2	DENT 780	0-6
		DENT 757	4	DENT 781	0-4
				DENT 783	0-6
				DENT 784	0-6
				DENT 786	0-6
				DENT 787	0-6
				DENT 789	0-6
	31		31		12-76
Third Year					
Fall	Hours	Spring	Hours	Summer	Hours
DENT 752	2	DENT 730	2	DENT 733	1
DENT 754	2	DENT 747	1	DENT 771	2
PATH 753	2	DENT 751	1	DENT 781	0-4
DENT 759	2	DENT 752	2	DENT 791	1-6
DENT 761	1	DENT 759	2	Third Year Clinical Courses	
DENT 763	2	DENT 765	1	DENT 770	0-6
DENT 773	1	DENT 781	0-4	DENT 775	0-6
DENT 778	2	DENT 791	1-6	DENT 776	0-6
DENT 781	0-4			DENT 777	0-6
				DENT 780	0-6
				DENT 783	0-6
				DENT 784	0-6
				DENT 785	0-6
				DENT 786	0-6
				DENT 787	0-6
				DENT 789	0-6
	14-18		10-19		4-79
Fourth Year					
Fall	Hours	Spring	Hours		
DENT 758	2	DENT 758	2		
PATH 755	1	DENT 767	1-15		
DENT 781	0-4	DENT 781	0-4		
	3-7		3-21		

Total credit hours: 166-340

* Courses denoted by PR (Progress) are two semesters in length. Credit hours and grades are earned during the final semester of the course.

** Clinic courses receive a designation of PR until the semester in which the student graduates. Six credit hours are earned in each clinical discipline upon graduation.

Fourth-Year Clinical Courses

Taken First and Second Semester

DENT 770	Clinical Oral Radiology	0-6
DENT 775	Practice Management	0-6
DENT 776	Removable Prosthodontics	0-6
DENT 777	Periodontics	0-6
DENT 780	Endodontics	0-6
DENT 783	Operative Dentistry	0-6
DENT 784	Oral Surgery	0-6
DENT 785	Orthodontics	0-6
DENT 786	Pediatric Dentistry	0-6
DENT 787	Clinical Oral Diagnosis	0-6
DENT 789	Fixed Prosthodontics	0-6
DENT 790	Teaching Practicum	1-3
DENT 788	Clinic Completion Practicum (also taken Summer)	0-15

School of Medicine

Degrees Offered

- M.D., Doctor of Medicine
- M.D. /Ph.D., Joint Doctor of Medicine and Doctor of Philosophy
- Ph.D., in Biochemistry and Molecular Biology
- Ph.D. in Cancer Cell Biology
- Ph.D. in Cellular and Integrative Physiology
- Ph.D. in Immunology and Microbial Pathogenesis
- Ph.D. in Neuroscience
- M.H.S. in Pathologists' Assistant
- B.S., M.S., Ph.D., Exercise Physiology
- M.S. in School Health Education
- B.S. in Medical Laboratory Science
- M.O.T., Master of Occupational Therapy
- D.P.T., Doctor of Physical Therapy
- Ph.D., Pharmaceutical and Pharmacological Sciences
- M.D. /M.P.H., Doctor of Medicine and Master of Public Health
- Ph.D., Public Health Sciences
- M.S., Biomedical Sciences

Introduction

The West Virginia University School of Medicine is a part of the Robert C. Byrd Health Sciences Center, a comprehensive academic health system with three campuses in the state, a network of affiliated hospitals and practice plans, and a mission of education, research, clinical care, and service to the state. On the main Morgantown campus, students have access to a full range of research and clinical facilities, including a new laboratory building and a wide range of advanced research centers. West Virginia University Hospitals includes sophisticated medical technology, including magnetic resonance imagery, lithotripsy, and laser surgery; the campus includes a large and busy tertiary hospital, a trauma center, children's hospital, cancer center, a psychiatric hospital, primary care and specialty clinics, a rehabilitation hospital and many other patient care facilities.

Biomedical sciences graduate programs (in collaboration with School of Pharmacy) offer training in seven areas: Biochemistry and molecular biology; cancer cell biology; cellular and integrative physiology; exercise physiology; immunology and microbial pathogenesis; neuroscience; and pharmaceutical and pharmacological sciences. Biomedical sciences graduate students take a common core curriculum the first year and match with a faculty mentor and self-select into their specialty areas in year two.

The public health sciences Ph.D. program offers training in two tracts: Social and behavioral sciences; and population epidemiology and biostatistics. First-year graduate students take a common core curriculum and match with a faculty mentor and choose a specialty area in year two.

The Department of Human Performance and Applied Exercise Sciences incorporates exercise physiology, physical therapy, and occupational therapy. Additionally, the Department of Community Medicine has a M.P.H. program in public health with five specialty tracts, a generalist M.P.H. online program, and a M.S. in school health. These programs complement all of the other existing programs in the other health professions schools (dentistry, nursing, and pharmacy).

All doctoral students will be required to present a minimum of six one-hour graduate seminars to faculty and students before graduating. Doctoral students who desire to obtain additional teaching will be able to obtain this as part of their training. Students are expected to present their research data at national meetings and publish their data in appropriate peer-reviewed journals prior to graduation. However, the student's faculty advisor must give approval before any research or scholarly material is submitted for presentation or publication and the material must recognize all appropriate co-authors and grant sources.

Required Research Participation

Because the doctorate is a research degree, students will be expected to be involved in research from the beginning of their programs. Doctoral students will participate in three research rotations with faculty in exercise physiology during the first two semesters of enrollment. Students are expected to choose a dissertation chair and a Dissertation Committee by the end of the first year of enrollment. Students should work with their dissertation advisor to design appropriate pilot studies and with that data identify a dissertation project and appropriate research questions/hypothesis to be tested by the proposed research. All approved research projects must be hypothesis

based, and whenever possible, the research questions should address mechanistic questions that explain biological phenomenon relevant to exercise physiology.

Research is conducted throughout the doctoral program with a goal of having at least three manuscripts published or submitted to a journal for peer review before graduation. Students should strive to present their research findings at a minimum of one national/international meeting annually beginning no later than the second year of enrollment in the doctoral program. A minimum of one peer-reviewed manuscript that is derived from the student's dissertation research must be published before graduation.

Directed Research

All preliminary research must be collected under the supervision and approval of the dissertation chair. The student is expected to engage in directed research under the supervision of the dissertation chair to learn techniques and collect pilot data that will be the basis of a future dissertation project. Studies to obtain pilot data should be presented to the Dissertation Committee to demonstrate the student's competency in research skills, and, that his/her research ideas and hypotheses are appropriate and justified. This process facilitates progression through the program in a timely and efficient manner. Nevertheless, the Dissertation Committee may require the student to obtain additional pilot data or research skills prior to approving the research proposal as a dissertation topic. The student's directed research efforts should be progressing towards approval of a dissertation topic from the members of the Dissertation Committee, once they have been identified (before the end of the first semester of year two). This research training will provide the student background data/information from which to base grant proposal and dissertation topic as part of the requirements for completing Part II of the Comprehensive Examination.

Comprehensive/Qualifying Examination

The Comprehensive (qualifying/candidacy) Examination will evaluate a student's readiness for advancement to doctoral candidacy. This will consist of a written and an oral component to determine that the student is qualified to complete the doctoral dissertation and conduct independent research.

Requirements of the Qualifying/Candidacy Examination

Graduate students will be admitted to Ph.D. candidacy after successfully completing all course work and passing a candidacy examination. The purpose of the candidacy examination is to evaluate a student's readiness for advancement to doctoral candidacy. The candidacy examination will consist of writing and orally defending a dissertation proposal. Advancement to candidacy means that in the judgment of the faculty, the doctoral student has an adequate knowledge of exercise physiology, knows how to use academic resources, and has potential to do original research autonomously. In other words, the student is qualified to complete the doctoral dissertation. In addition, no student with a grade point average of less than 3.0 will be eligible to take this examination.

The qualifying examination should be taken after completion of the formal coursework as defined by the student's dissertation committee and chair/advisor of the dissertation committee in conjunction with the director for Graduate Studies. When a student has passed the Candidacy/Qualifying Examination, he/she will be admitted to candidacy for the Ph.D.

The following are prerequisites for advancement to the qualifying examination:

- The student must have a dissertation advisor and a dissertation committee.
- The student must have demonstrated competent research skills.
- The student must have a suitable dissertation topic that is approved by the dissertation committee.
- The student must be in good academic standing as defined in the doctoral program and have satisfactorily completed the first two years of course requirements (including those specified by the student's advisory committee) with at least six credit hours (or equivalent) of laboratory research experience.

Appropriate (recommended) lengths for each section of the qualifying examination/research proposal (single spaced) are:

- Specific aims: one page
- Background and significance: two to three pages
- Preliminary studies and pilot data: three to five pages
- Research design and methods: six to seven pages
- Budget and justification (two to four pages including justification pages)
- References: (three to four pages)

Oral Examination of Research Proposal

Normally the oral examination is set within two to four weeks following the acceptance of the written examination. However, the oral exam component can only be scheduled if the members of the Dissertation Committee judge the written submission to be acceptable (or acceptable pending minor revisions). If the written proposal is acceptable by the members of the Dissertation Committee, the chair of the Dissertation Committee will schedule the oral portion of Part II of the examination.

The following guidelines should be reviewed by the student and his/her Dissertation Committee before scheduling the oral examination.

In the oral examination the student will make a professional formal presentation (using PowerPoint computer slides or similar media,) that clearly identifies the research area, hypotheses, and questions that they wish to pursue as part of his/her Ph.D. dissertation and pilot data that they have obtained (about 40 to 45 minutes). The chair of the Dissertation Committee will also chair Part II of the examination. The chair will permit members of the audience (faculty, graduate students, etc.) to ask questions of the graduate presenter for approximately 10 to 15 minutes. Thereafter the guests will be dismissed and the meeting will be closed except for the members of the student's Dissertation Committee and other invited (i.e., non-voting) members of the graduate faculty that have been approved by the chair of the Dissertation Committee.

Failure to successfully complete the comprehensive examination after two attempts is grounds for dismissal. Students will be permitted due process and the division chair will convene the graduate faculty as a whole, who will consider written appeals from any student who has been dismissed by virtue of failing the qualifying/candidacy examination.

Temporary Committee Substitutions

- Membership on a Doctoral Dissertation Committee signifies the highest level of commitment to all phases of the student's doctoral training. All committee members must therefore be present for the oral research design exam. If all the members of the committee are not present at the beginning of the oral defense for Part II, the oral examination cannot continue. Absence of a committee member from the exam is only acceptable in the event of illness or some other serious unforeseen problem
- If a committee member is unexpectedly unable to participate in a scheduled oral examination, the examination should be rescheduled for another time within the next two weeks when all members can be present. The student may request that the examination not be rescheduled, provided that a substitute committee member can be found (if one is needed to meet minimal Dissertation Committee requirements). Requests for member substitution will be granted in only very rare and exceptional circumstances. The division chair must approve any temporary substitutions.
- The substitute must have adequate time to read the written proposal and prepare for the examination. The substitute must be a suitable graduate faculty with established expertise in an area previously represented by the absent committee member. It is not appropriate to substitute one faculty with another if a different research expertise would be represented by the substitution. Any substitute must be acceptable to both the student and the dissertation advisor, and the substitute must meet the requirements for dissertation committee membership. The substitute member will be considered a full-voting member of the Dissertation Committee for the purpose of administering and grading the examination. The substitute member will also be provided copies of the student's written responses for Parts I and II. The final examining committee may contain no more than one substitute member, and the students' advisor (normally Dissertation Committee chair) may not be substituted.

Qualifications For Advancement to Ph.D. Candidacy

The student must demonstrate:

- A wide base of knowledge in exercise physiology
- An ability to think independently
- Integration of existing knowledge into a practical research question, by identifying what known, what is not known, etc.
- Critical evaluation of literature
- Problem-solving skills
- Acceptable written and oral communication skills including the ability to "think on one's feet."

Submission of Written Research Proposal to a Funding Agency

The written candidacy examination also serves an additional purpose. Graduate students are expected to submit at least one grant proposal to an external granting agency by the end of his/her second year of enrollment. Constructing the proposal is a part of the requirements for graduation. The candidacy examination provides the graduate student the opportunity to complete these requirements for submitting the grant proposal, while also preparing for the qualifying examination and assembling ideas for the dissertation project.

The student should wait until successfully negotiating the candidacy examination (both written and oral components) and revise the grant according to the suggestions of his/her dissertation chair and Dissertation Committee. Graduate students should not submit a grant proposal without input, feedback, and approval of the committee chair and Dissertation Committee. It is acceptable and appropriate for the student to obtain feedback from all members of the Dissertation Committee before submitting it to a funding agency.

The submission of the grant proposal to a funding agency should be used to: (a) Seek a graduate student stipend and other research supplies as allowed by the external source; (b) Seek funding for travel to national/international meetings if it is permitted by the funding agency; (c) Obtain independent external review of the student's research proposal/dissertation project; (d) Obtain experience in writing grants for external funding. The student should also notify the director of graduate studies of the grant submission. This will be accomplished by submitting a copy of the front page of the grant proposal (with the title, signatures, etc.), the budget page of the grant to the director of graduate studies.

General Dissertation Requirements

The purpose of the dissertation is to provide experiences that will assist the student in becoming an independent investigator and constructing manuscripts from the data collected in the research process. Typical dissertation projects will be about three years in length.

The student must complete a dissertation in which they have obtained original data that makes a novel and important contribution to knowledge in the broad field of exercise physiology and submit all manuscripts containing these data to peer-reviewed journals. Students must pass an oral examination based upon his/her dissertation.

The dissertation must be constructed in a format suitable to the graduate school and the advisor. Preferable formats will include writing the data chapters as if they have been submitted to peer-reviewed journals (including abstract, introduction, methods and materials, results, discussion, and literature cited in each chapter). In addition, the final one to two chapters of the dissertation should include an integrative discussion concerning the total research project and evaluation of hypothesis that were tested. The typical doctoral dissertation will yield three to five peer-reviewed manuscripts. To optimize feedback from the coauthors and to ensure timely publication, the manuscripts originating from dissertation work should be submitted for peer review prior to graduation, and some manuscripts may be published before the student graduates. Proper acknowledgment for funding of the research should be noted in both the dissertation and the manuscripts obtained from dissertation work. It is expected that several of these manuscripts that will be included in the dissertation will have been published before graduation. It is further expected that all of the manuscripts will be submitted to a peer-reviewed journal for consideration for publication before graduation. The student must have published a minimum of one manuscript as a first author from the completed dissertation work prior to graduation. The process of writing the chapters as journal manuscripts will facilitate this process.

Student Evaluations

Students will be formally evaluated by the program faculty on a yearly basis with respect to courses, research, teaching, professional development, and progress through the program. The student will be asked to fill out an activity report encompassing these areas and submit it to the chair of the Division of Exercise Physiology. The chair will convene the program faculty to evaluate each student. The chair will provide the students a written assessment of their progress.

Faculty

Dean

- Arthur J. Ross III - MD

Vice Dean for Medical Education & Academic Affairs

- Norman D. Ferrari III - MD

Vice Dean for Clinical Services & CMO WVU Healthcare

- Judie Charlton - MD

Associate Dean

- Scott A. Cottrell - EdD
Student Services & Curriculum
- James P. Griffith - MD
Charleston Campus Student Services
- Rosemarie Cannarella Lorenzetti - MD
Eastern Campus Student Services
- Timothy Palencik
Finance
- James M. Stevenson - MD
Development
- Maria Kolar - MD
Veterans Affairs
- Barbara Ducatman - MD
Faculty Services

Assistant Dean

- James Brown - MD
Eastern Campus
- Kathleen Bors - MD
Charleston Campus
- Hannah Hazard - MD

Admissions

- Fred L. Minnear - PhD
Graduate Studies
- David Wilks - MD
Medical Education Technology
- James O'Donnell - PhD
Research
- Jamal Mustafa - PhD
Research

Associate Dean for Professional and Undergraduate Programs

- MaryBeth Mandich - PhD
Professional & Undergraduate Programs

Associate Vice President for Health Sciences

- Clark Hansbarger - MD
Dean, Charleston Campus
- Konrad Nau - MD
Dean, Eastern Campus

Senior Associate Dean/Chief Administrative Officer

- John Worth

Biochemistry and Molecular Biology

Isalati@hsc.wvu.edu

Degrees Offered

- Doctor of Philosophy
- Joint Doctor of Medicine and Doctor of Philosophy

The disciplines of biochemistry and molecular biology seek to understand biology by exploring the functions of the molecular components of cells. A major goal of this program is to foster your ability for independent thought. To this end, our faculty cultivates an open, collegial relationship with one another and with our students. Close collaboration between scientists, the sharing of ideas, and open inquiry are critical components of our training plan. Our goal is to develop your independence as a scientist.

The hallmarks of graduate training in biochemistry and molecular biology are the emphasis placed on the use of the scientific literature in advanced coursework and on protecting time for laboratory research. In addition, you will have time for professional development through seminar presentation, attendance at national meetings, teaching opportunities, and seminar programs both within the department and throughout the Health Sciences Center.

Faculty research in the program can provide the student with training in multiple basic sciences areas:

- regulation of gene expression
- chromatin silencing
- RNA processing
- cell survival mechanisms
- intermediary metabolism
- regulation of signal transduction by nutrients and metabolites
- nutritional biochemistry
- cell proliferation and cell cycle regulation
- cell adhesion
- ion channel biochemistry
- kinases and phosphatases in signal transduction mechanisms involved in cancer cell metabolism
- spirochete biology
- oxidant-induced cellular stress
- structure/function relationships of proteins

- molecular genetics of visual and auditory development
- G protein-mediated signaling in retina photoreceptors
- molecular basis of age-related blindness

These research areas provide fundamental knowledge toward both the normal health state and the amelioration of multiple diseases; atherosclerosis; blindness; cancer; deafness; diabetes; and metabolic disorders.

Doctor of Philosophy

Upon successful completion of the undifferentiated first year, as outlined earlier, students choose a dissertation research advisor, at which time emphasis is placed on research. During the second year, specialized courses in biochemistry are offered as students continue their research projects. During subsequent years, students emphasize independent dissertation research, and a few formal courses may be taken.

Completion of the Ph.D. program is realized when the student successfully presents the research results to both the department and their Graduate Advisory Committee. Typically, four to five years are required to realize this goal.

Faculty

Graduate Program Director

- Dr. Lisa Salati

Biomedical Sciences Graduate Programs

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Overview

The WVU Health Sciences Center offers biomedical research training leading to the Ph.D. and M.S. degrees and the joint M.D./Ph.D. degree. Our Ph.D. and M.S. students matriculate into a common, integrated core curriculum including research laboratory rotations. This integrated first year allows students to build competence in key areas of contemporary science, gain exposure to our seven training programs, and network scientifically and socially. In the second semester, students customize their coursework by selecting from an array of program-specific electives. By April of year one, students have acquired the necessary didactic and research knowledge to make an informed selection of a research advisor and one of our seven graduate training programs. M.D./Ph.D. scholars take the first two years of medical school, do research for three to four years in one of our seven training programs under the guidance of a graduate faculty advisor, and then complete the last two years of medical school.

Our seven graduate training programs are: biochemistry and molecular biology; cancer cell biology; cellular and integrative physiology; exercise physiology; immunology and microbial pathogenesis; neuroscience; and pharmaceutical and pharmacological sciences.

Successful completion of the Ph.D. degree requires a 3.0 GPA, As, Bs, or S in research, passages of the qualifying examination, which usually includes a defense of the research proposal and dissertation defense, and at least one first-author manuscript, based on the Ph.D. dissertation research, published or in press in a peer-reviewed journal before the formal defense of the dissertation.

The goal of all seven biomedical sciences graduate Ph.D. programs is to train highly qualified students for academic and scientific careers as research investigators. The program provides the instructional and research background needed to enable doctoral candidates to complete an original Ph.D. project that advances the field and is acceptable for publication in peer-reviewed journals. This doctoral training serves as a foundation for further career development, which usually includes three to five years of postdoctoral research training.

Admissions

Ph.D. Students

Applicants to the Ph.D. graduate programs in the biomedical sciences and the Schools of Medicine and Pharmacy must submit an official application for admission to the WVU Office of Admissions, P.O. Box 6009, Morgantown, WV 26506-6009. Applicants should request to have their GRE and TOEFL/IELTS scores sent to WVU. Additionally, applicants are also required to furnish official copies of transcripts or marks sheets directly to the Office of Admissions. The online application and instructions can be found online at <http://grad.wvu.edu>

Applicants must have a bachelor's degree and excellent GRE scores. Three letters of recommendation and a personal statement are required. Students are invited in groups of ten to fifteen for paid, two-day visit/interviews from January through March. Students are admitted

as a class by a common graduate admissions committee comprised of the graduate directors of each of our seven Ph.D.-degree granting programs, a senior Ph.D. student from the Graduate Student Organization (GSO), and the assistant dean for Graduate Studies.

Applicants must have a bachelor's or equivalent academic degree and should demonstrate a strong background in the biological sciences, inorganic and organic chemistry, physics, and mathematics through calculus. Courses in biochemistry, cell biology, molecular genetics, and physical chemistry, and experience in research are recommended. Students with demonstrated abilities but lacking some recommended courses should correct these deficiencies in the summer preceding or after enrollment. Recommended are a minimum GPA of 3.0 and a GRE total of 1,000 for verbal and quantitative with a 4.0 in the analytical essay.

M.D./Ph.D. Students

Formal application requires successful application to the School of Medicine through the American Medical College Application Service (AMCAS), followed by a separate application to the director of the M.D./Ph.D. scholars program. M.D./Ph.D. candidates interview with two current M.D./Ph.D. scholars, the director of the scholars program, and selected graduate faculty.

Financial Aid

All Ph.D. and M.D./Ph.D. students matriculated in the biomedical sciences graduate programs in the WVU Health Sciences Center receive full financial support during their training, provided that they remain in good academic standing, a 3.0 GPA, and excellent performance in research. Stipend levels are considered for adjustment approximately every two years. Such support currently includes a \$20,000 annual stipend, full tuition coverage, and student health insurance (hospitalization and disability).

Ph.D. Undifferentiated First Year

Advantages of an undifferentiated first year:

- Students acquire a fundamental yet in-depth exposure to relevant contemporary science
- Students have one year to select a specific training program and research advisor
- Larger numbers of available graduate faculty to select from for a research advisor
- Students develop important intellectual and social connections
- Enhances future collaborations among research laboratories

In year one, students:

- Take an integrated core curriculum that focuses on contemporary science and scientific integrity
- Take specialized areas of science that align with the research strengths of the graduate faculty
- Rotate through three active research laboratories supported by federal grants

First semester:

Cellular Structure and Function, *Cellular Methods and Fundamentals of Integrated Systems* are the three major courses. Journal clubs are incorporated and complement the didactic information, emphasizing discussions of literature articles led by students and facilitated by the faculty. *Biostatistics for the Basic Sciences* provides an introductory background to statistics. Students take *Discussions on Scientific Integrity* that meets weekly, is led by individual faculty, and incorporates small and large group discussions of ethical and moral issues presented as scientific case studies.

Second semester:

Molecular Biology, which also incorporates a journal club, is required of all students. In addition, students help design their own curriculum. Each of the seven graduate programs offers a module taught primarily from the current literature with an emphasis on discussions among students and faculty. Each student, with assistance from the graduate directors, selects two or three of these modules.

By April of year one, students are provided the necessary didactic and research experiences to make an informed selection of a research advisor and one of the seven graduate training programs.

In the first summer, students take *Scientific Writing*. Students attend weekly lectures and complete assignments in two separate writing skills, a scientific journal article, and an NIH pre-doctoral fellowship grant.

M.D./Ph.D. Scholars Program

The WVU School of Medicine's M.D./Ph.D. Scholars Program prepares students for academic careers that combine the practice and teaching of clinical medicine with laboratory investigation of disease mechanisms. The goal is to train independent investigators who can function in the future as physician-scientists. This joint training program requires at least seven years to complete.

Medical School, Years One and Two

Students enter the program in July before beginning medical school with an orientation to the various areas of research. Students choose one six-week research rotation before medical school starts in August. In years one and two, trainees take the integrated medical school basic science curriculum. All M.D./Ph.D. trainees participate in monthly research forums. At these forums, students present their research, learn from physician-scientist role models, and discuss academic career opportunities. During the summer of year one, trainees complete a rotation in one additional research laboratory to facilitate their final selection of a specific graduate program and research advisor by April of year two.

Ph.D. Training

After successful completion of years one and two of the medical curriculum and step 1 of the United States Medical Licensing Examination (USMLE), students enter the research portion of their Ph.D. training. There are two research opportunities in these two training programs are numerous and include cell and molecular biology, integrative physiology, immunology, exercise physiology, cardiovascular sciences, receptor biochemistry, bacterial pathogenesis, lung cell biology and environmental exposures, inflammation, molecular genetics, pharmacological sciences, neuroendocrine and reproductive biology, developmental biology, tumor invasion and angiogenesis, cancer cell biology, neurodegenerative disorders and stroke, functional brain imaging and cognitive behavior, learning and memory, as well as population-based outcomes and epidemiology studies relevant to public health. There are two M.D./Ph.D. training programs: Biomedical sciences and public health sciences. Before transitioning back to the clinical clerkships, students brush-up on their clinical skills by shadowing physicians, conducting physicals, and presenting case studies at the monthly M.D./Ph.D. forums.

Medical School, Years Three and Four

After the writing and successful defense of the doctoral dissertation, students complete years three and four of medical school at the Morgantown campus.

Faculty

Assistant Dean for Graduate Studies

- Fred L. Minnear - Ph.D.
M.D./Ph.D. Scholars Program

Chair

- Jason Huber

ASSISTANT DIRECTOR FOR GRADUATE STUDIES

- Renee Seitz

Staff Assistant

- Penny Phillips
M.D./Ph.D. Scholars Program

Cancer Cell Biology

sweed@hsc.wvu.edu

Degrees Offered

- Doctor of Philosophy
- Joint Doctor of Medicine and Doctor of Philosophy

Research interests include biochemical, molecular and cellular basis of cancer origin and progression. Current research areas include:

- *Tumor Microenvironment*: Tumor cell resistance to anoikis; effects of chemotherapy on the bone marrow microenvironment, stem cell regulation, leukemia/stromal interactions, effects of the extracellular matrix on angiogenesis and tumor cell invasion.
- *Mechanisms of Metastasis*: Role of proteases in cell motility, regulation of the actin cytoskeleton in invadopodia formation and migration, signaling pathways in invasion and metastasis, imaging of metastasis in animal models.
- *Genetic Regulation of Cancer*: Tumor suppressor genes and transcriptional regulation, post-translational modifications in transcriptional regulation.
- *Heavy Metals and Cancer*: Effects of heavy metals on signal transduction pathways governing angiogenesis and tumor cell motility.

- *Signal Transduction in Cancer*: Receptor tyrosine kinase signaling in cancer growth and metastasis, non-receptor tyrosine kinases in cell adhesion and proliferation, ROS in tumor progression, lipid kinase signaling in angiogenesis.
- *Cancer Bioinformatics*: Biomarker classification in cancer, predictive models of carcinogenesis.

Cancer cell biology investigators working in these research areas routinely incorporate biochemical, molecular, cellular, animal and computational-based techniques that are currently utilized at the forefront of leading basic cancer research laboratories around the world. The main tumor types that are the current focus of cancer cell biology investigators are based on cancers with disproportionate incidences in West Virginia, including breast, leukemia, ovarian, cervical, lung, and head and neck cancers.

The doctor of philosophy program in cancer cell biology is designed to expose Ph.D. and M.D./Ph.D. level graduate students to a wide spectrum of opportunities available in basic and translational cancer research. In addition to mechanistic and therapeutic approaches to studying problems in cancer at the bench, students have the opportunity for exposure to more clinical elements of cancer practice, including participation in tumor boards, shadowing clinicians, and participation in the design and approval of clinical trials. The cancer cell biology program at WVU is a member of the Cancer Biology Training Consortium (CABTRAC), a national organization of similar cancer-specific Ph.D. programs that interact through annual regional and national meetings to improve and refine Ph.D. cancer training. Graduates of the cancer cell biology program are therefore well equipped to enter into a number of different career paths. These include postdoctoral research, biotechnology, industry, government, science writing, core facilities management, and legal counsel as examples.

Qualifying Examination

The qualifying examination consists of two parts. The written portion is conducted at the end of the first year of study, and is an evaluation of the student's performance and aptitude conducted by the rotation mentors the student had during their first year. Students are judged on their competency at the bench, in-depth knowledge of each research topic they worked on, overall enthusiasm, and potential for success at the Ph.D. level. After successful completion of the second academic year, the students take an oral examination that consists of the writing and defense of the student's research dissertation project in the format of a NIH grant proposal. Upon successful completion of both elements of the qualifying examination, the student is admitted to candidacy for the degree of doctor of philosophy.

Faculty

Graduate Program Director

- Dr. Scott Weed

Cellular and Integrative Physiology

rbrock@hsc.wvu.edu

Degrees Offered

- Master of Science
- Doctor of Philosophy
- Joint Doctor of Medicine and Doctor of Philosophy

Physiology is a dynamic life science that focuses on the study of biological systems at many levels of complexity; ranging from genes and molecules to cells and organisms. Thus, training in physiology has the ultimate goal of linking molecular and cellular information to functional outcomes. Currently, groundbreaking research and discovery in the life sciences are more interdisciplinary than ever, and students studying within the realm of physiology can expect to work with a wide range of scientists. Our program provides a multidisciplinary approach to modern life sciences, drawing on faculty expertise from several departments and centers in the School of Medicine.

The program's participating research faculty consists of scientists from the Center for Cardiovascular and Respiratory Sciences, NIOSH/CDC, Center for Neuroscience, and the Blanchette Rockefeller Neurosciences Institute. As a result, this multidimensional program includes activities in

- integrative and systems physiology
- pathophysiology
- pharmacology
- translational research
- small animal physiology, biomedical engineering
- biophysics

It also integrates information from genetics, functional genomics, and proteomics into whole animal and human physiology.

This interactive and cross-disciplinary environment, together with an atmosphere filled with enthusiasm and passion for scientific discovery, makes our program a uniquely exciting place for doing research and the training of students. Specific topics of research emphasis include:

- Hemodynamics and Cardiovascular Control in Health and Disease
- Microcirculation and Cellular Biophysics
- Respiratory Function and Control in Health and Disease
- Neuroendocrine Control of Reproduction
- Neural Control of Sensory Physiology

The goal of the cellular and integrative physiology graduate program is to engage students in creating a new approach to the life sciences, with the aim of explaining how the higher-level properties of complex systems appear from the interactions amongst their parts. Students will leave our program better able to identify important unsolved scientific problems, and with an appreciation of how to select problems for which quantitative and theoretical approaches will be most productive.

Qualifying Examination

After successful completion of their second academic year, students take a two-part qualifying examination. The exam consists of an oral examination covering the major areas of physiology, followed by a written and oral research defense of the student's research proposal. Upon successful completion of the qualifying examinations, the student is admitted to candidacy for the degree of doctor of philosophy. Our graduates obtain excellent postdoctoral research training opportunities in prestigious laboratories and develop productive and satisfying careers in academics, industry, and government. Graduates have become departmental chairs, industrial department heads, university vice presidents, and entrepreneurs.

Faculty

Graduate Program Director

- Dr. Robert W. Brock

Exercise Physiology

Degrees Offered

- Bachelor of Science
- Master of Science
- Doctor of Philosophy
- Joint Doctor of Medicine and Doctor of Philosophy

John M. Hollander, Ph.D., Director of Doctoral Graduate Studies, johollander@hsc.wvu.edu;
http://www.hsc.wvu.edu/ResOff/PhDPrograms/Biomedical-Sciences/Phd_Training_Programs/Exercise_Physiology/Default.aspx

Stephen E. Alway, Ph.D., Professor and Chair and Director of Graduate Studies Master's Program, salway@hsc.wvu.edu; <http://medicine.hsc.wvu.edu/ep/Education/Master-of-Science>

Randall W. Bryner, Ed.D, Associate Professor, Vice Chair, and Director of Undergraduate Education, rbryner@hsc.wvu.edu; <http://medicine.hsc.wvu.edu/ep/Education/Bachelor-of-Science>

Introduction

The WVU exercise physiology program was established in the Health Sciences Center's School of Medicine in July 1993. The program offers a four-year curriculum leading to a bachelor of science degree in exercise physiology, a two-year program leading to a masters of science (clinical or thesis track) and a doctoral program leading to a Ph.D. in exercise physiology.

What is an Exercise Physiologist?

Exercise Physiology is the study of the biological and biochemical processes associated with exercise and overload that affects the underlying function of cells and organ systems in the human body. Exercise physiology is a rapidly evolving field that is becoming increasingly important in the delivery of health care. Exercise physiologists work to prevent or delay the onset of chronic disease in healthy participants or to provide therapeutic or functional benefits to patients with known disease. Services may be offered in a variety of medical settings such as hospitals, rehabilitation centers, and out-patient clinics, in community, corporate, commercial and university fitness and wellness centers, in nursing homes and senior citizens centers, as well as in research and academic settings.

Research by scientists trained in Exercise Physiology have greatly expanded our understanding of the ways in which exercise affects cell function. Advances in research in Exercise Physiology has provided a foundation for many types of medical treatment in areas that include but not limited to cardiovascular diseases, diabetes, aging, obesity and disuse atrophy. Employment opportunities are expanding and increase with experience and level of education.

Exercise physiologists are trained to evaluate people in the areas of cardiovascular fitness, muscular strength and endurance, flexibility, neuromuscular integration, and body composition. They are also trained to provide exercise programs based on the results of these evaluations that are designed to increase the functional capacity of the participants.

Exercise physiologists work with athletes, patients, and healthy participants in the areas of disease prevention in wellness programs, or rehabilitation in hospital settings. The bachelor of science program is a preparatory program for graduate school. Graduates of this program continue their studies in exercise physiology, physical therapy, medicine, or other health-related careers. Graduates of the master of science or doctoral program find employment in corporate wellness, hospital rehabilitation, higher education, or other research settings. Graduates of our Ph.D. program have obtained postdoctoral positions in prestigious universities and medical schools. Additionally, they may be employed in a wide variety of private, community, state, and national agencies. Exercise physiology is an evolving field that is becoming increasingly important with the integration of preventive medicine into the health care system. Employment opportunities are expanding and increasing with experience and level of education.

Bachelor of Science

The bachelor of science in exercise physiology is a preparatory program for graduate or professional school. Graduates continue their education in areas such as exercise physiology, physical therapy, dentistry, pharmacy, or medicine. The program is designed to provide students a background in basic science and exercise physiology as well as courses in nutrition, athletic training, first aid and emergency care, and business.

Admission

Students must meet the minimum requirements for WVU for admission to the program. All coursework completed prior to transfer to the exercise physiology program requires at least a 2.75 cumulative grade point average and a grade of C or better in all required courses.

Program Requirements

Students must complete the University requirements for the General Education Curriculum. Students must complete the following courses or course equivalents in theory and foundation to meet the exercise physiology program requirements.

CHPR 172	First Aid and Emergency Care	2
PSYC 241	Intro to Human Development	3
ATTR 121	Sport Injury Control/Managment	3
ATTR 219	Gross Anatomy	3
EXPH 240	Medical Terminology	1
EXPH 100	Orientation:Exercise Physlgy 1	1
EXPH 101	Intro-Exercise Physiology	1
EXPH 364	Kinesiology	3
EXPH 393	SPTP:Physiology of Ex Phys 1 (Students must also sign up for a lab section)	4
EXPH 369	Strength/Conditioning Methods	4
EXPH 370	Writing for Exercise Science	3
EXPH 491	Professional Field Experience	6
EXPH 475	Indstry Orgnztn-Exrcise Physio	3
EXPH 496	Senior Thesis:Capstone	3
PHYS 101	Introductory Physics	4
PHYS 102	Introductory Physics	4
CHEM 115	Fundamentals of Chemistry	4
CHEM 116	Fundamentals of Chemistry	4
CHEM 231	Organic Chemistry:Brief Course	4
CHEM 233 & CHEM 235	Organic Chemistry and Organic Chemistry Laboratory	4
CHEM 234 & CHEM 236	Organic Chemistry and Organic Chemistry Laboratory	4
BIOL 101 & BIOL 103	General Biology and General Biology Laboratory **	4

BIOL 102 & BIOL 104	General Biology and General Biology Laboratory **	4
PSIO 241 or PSIO 441	Elementary Physiology Mechanisms Body Function	4
HN&F 171	Introduction to Nutrition	3
STAT 211 or ECON 225	Elemntry Statistical Inference Elemntry Business/Economcs Stat	3
Suggested Electives		
BIOL 219	The Living Cell	
BIOC 339	Intro To Biochemistry	
MATH 128	Plane Trigonometry	3
MATH 126A	College Algebra 5-Day	3

* MATH 129, MATH 155, or MATH 150 may be substituted for MATH126A or MATH 126B and MATH 128.

** BIOL 115 and BIOL 117 may be substituted for of BIOL 101–104. BIOL 115 can also be taken with any other 4 credit biology class that is for science majors, and also contains a laboratory.

Students must have a grade of C or better in all required courses. Students must have a minimum of 128 hours to graduate. Students must maintain a cumulative GPA of 2.5 or better to remain in the program.

Students may choose the general curriculum tract or health professionals' tract. Students who intend on applying to medicine, dentistry, pharmacy, or graduate school should take the health professionals tract. Students applying to physical therapy can choose either the general or health professional track.

Exercise Physiology Curriculum Plan

First Year

Fall	Hours	Spring	Hours
ENGL 101	3	MATH 128	3
BIOL 101 & BIOL 103	4	BIOL 102 & BIOL 104	4
EXPH 100	1	GEC Objectives	3
PSYC 101	3	ATTR 121	3
MATH 126C	3	EXPH 101	1
ATTR 219	3		
	17		14

Second Year

Fall	Hours	Spring	Hours
PHYS 101	4	PHYS 102	4
GEC Objective	3	PSIO 241	4
ENGL 102	3	EXPH 240	1
EXPH 364	3	GEC Objectives	3
	13		12

Third Year

Fall	Hours	Spring	Hours
CHPR 172	2	CHEM 231	4
EXPH 365	3	EXPH 369	4
EXPH 368	3	HN&F 171	3
PSYC 241	3	Elective(s)	6
GEC Objective	3		
EXPH 370	3		
	17		17

Fourth Year

Fall	Hours	Spring	Hours
EXPH 491	3	EXPH 491	3
EXPH 496	3	GEC Objectives	3
STAT 211	3	EXPH 475	3
Electives	6	Electives	6
	15		15

Total credit hours: 120

Health Professions Emphasis Curriculum Plan

First Year

Fall	Hours	Spring	Hours
ENGL 101	3	MATH 128	3
CHEM 115	4	BIOL 117	4
BIOL 115	4	GEC Objectives	3
MATH 126C	3	CHEM 116	4
EXPH 100	1	EXPH 101	1
PSYC 101	3	ATTR 219	3
	18		18

Second Year

Fall	Hours	Spring	Hours
CHEM 233 & CHEM 235	4	CHEM 234 & CHEM 236	4
ATTR 121	3	PHYS 102	4
ENGL 102	3	PSIO 241	4
EXPH 364	3	CHPR 172	2
PHYS 101	4	EXPH 240	1
		GEC Objectives	3
	17		18

Third Year

Fall	Hours	Spring	Hours
EXPH 365	3	EXPH 460	3
EXPH 368	3	EXPH 369	4
PSYC 241	3	HN&F 171	3
BIOC 339	4	EXPH 370	3
Elective Science (e.g. BIOL 219)	4	STAT 211	3
		GEC Objectives	3
	17		19

Fourth Year

Fall	Hours	Spring	Hours
EXPH 491	3	EXPH 470	3
EXPH 496	3	EXPH 491	3
Elective Science	4	EXPH 475	3
GEC Objective	3	Elective Science (e.g. BIOL 410)	4
		GEC Objective	3
	13		16

Total credit hours: 136

Master of Science

The master of science program in exercise physiology prepares students for careers in adult fitness, hospital or corporate-based wellness programs, or cardiac rehabilitation. This is a two-year program. We have a clinical track and thesis track. Clinical track students take course work, obtain experience in various medical settings (e.g., heart cath lab etc.), and work with populations with varied health problems (heart disease, diabetes, metabolic syndrome, arthritis etc.). The thesis track is also a two-year program and it is designed for students who wish to engage in an intensive research training experience, in preparation for further training in a Ph.D., or MD or similar postgraduate program. Students specialize by completing a 200-hour clinical internship or a research thesis.

CLINICAL TRACK COURSES

EXPH 670	Lab Techniques & Methods 2	3
EXPH 671	Stress Testing	3
EXPH 672	Professional Field Placement	1-18
EXPH 673	Exercise Prescription	3
EXPH 680	Adv Clinicl Exercise Physiolgy	3
EXPH 691	ADTP:Exercise Prescriptn	1-6
EXPH 691A	Advanced Topics	1-6
EXPH 691B	Advanced Topics	1-6
EXPH 691C	ADTP:Aquatic Therapy-Pool Mang	1-6

EXPH 691D	ADTP:Aquatic Thrpy Application	1-6
EXPH 691E	Advanced Topics	1-6
EXPH 691F	ADTP:Nutrition for EXPH	1-6
EXPH 696	Graduate Seminar	1
EXPH 693C	Special Topics	1-6
EXPH 693D	Special Topics	1-6
PSIO 743	Fundamentals of Physiology	5
STAT 511	Statistical Methods 1	3

THESIS TRACK COURSES

EXPH 697	Research	1-15
EXPH 698	Thesis	1-6
EXPH 786	Musculoskeletal Biology	3
EXPH 799	Graduate Colloquium	1-6
EXPH 787	Cardiopulmonary Physiology	3
EXPH 693D	Special Topics	1-6
PSIO 743	Fundamentals of Physiology	5
AGBI 514	Animal Biotechnology	4
STAT 511	Statistical Methods 1	3
EXPH 567	Exercise Physiology 2	3

The graduate program in exercise physiology fosters a high degree of collaboration among faculty with interests in clinical medicine and basic research.

The faculty in exercise physiology have research expertise in exercise-induced adaption's and pathological tissue remodeling associated with aging, diabetes, and cardiovascular disease. Current areas of inquiry include:

- Aging and sarcopenia in skeletal muscle; muscle stem cells
- Mitochondria dysfunction and pathophysiological mechanisms of diabetic cardiomyopathy
- Regulation of renal and hepatic microvascular environments in diabetes
- Role of uncoupling protein-3 in aging and exercise; reactive oxygen species development in muscles with aging
- Biomechanical, biochemical and molecular investigation of acute and chronic skeletal muscle injury
- Regulation of ion channels in vascular smooth muscle in cardiovascular disease
- Microvascular dysfunction with the metabolic syndrome
- Cardiac and skeletal muscle growth and function
- Physiologic basis of lung disease
- Exercise-induced angiogenesis
- Extracellular matrix regulation and gene expression
- Stem cell biology and mechanical signal and tissue regeneration

Our Ph.D. program is intended to give exceptional students knowledge in basic medical and scientific areas to prepare them for careers as effective and knowledgeable researchers and teachers in the broad field of exercise physiology/kinesiology. In the Division of Exercise Physiology these goals are achieved by several means. Formal coursework in the sub-disciplines of exercise physiology, physiology, biochemistry, molecular biology, pharmacology and neuroscience provides the student with the opportunity to develop a solid foundation in basic subject matter of medical sciences that can be applied to aspects of exercise and disease. The student's knowledge base will be further strengthened by participation in elective courses offered within the division, selected courses offered by other departments within the School of Medicine and by departments in other colleges of West Virginia University.

Ph.D. students are expected to:

- Take an array of courses in exercise physiology, physiology, biochemistry, molecular biology, and pharmacology.
- Conduct independent research, analyze and interpret the data, and defend the findings conclusions.
- Learn the process of writing and submitting grants.
- Present and discuss their research findings at national and international scientific meetings.
- Develop and improve teaching skills.
- Submit their dissertation research for publication prior to graduation.

The Division of Exercise Physiology actively engages in both basic science and clinically based research, with an emphasis on cardiovascular disease, aging, obesity, and diabetes.

Required Research Participation

Because the doctorate is a research degree, students will be expected to be involved in research from the beginning of their programs. Doctoral students will participate in three research rotations with faculty in exercise physiology during the first two semesters of enrollment. Students are expected to choose a dissertation chair and a Dissertation Committee by the end of the first year of enrollment. Students should work with their dissertation advisor to design appropriate pilot studies and with that data identify a dissertation project and appropriate research questions/hypothesis to be tested by the proposed research. All approved research projects must be hypothesis based, and whenever possible, the research questions should address mechanistic questions that explain biological phenomenon relevant to exercise physiology.

Research is conducted throughout the doctoral program with a goal of having at least three manuscripts published or submitted to a journal for peer review before graduation. Students should strive to present their research findings at a minimum of one national/international meeting annually beginning no later than the second year of enrollment in the doctoral program. A minimum of one peer-reviewed manuscript that is derived from the student's dissertation research must be published before graduation.

SAMPLE CURRICULUM

Students will follow the first year integrated curriculum that is common to all PHD students in Basic Biomedical Sciences. Students will begin the curriculum program in year 2. Students should complete the requirements for the comprehensive examination by the end of year 2.

EXPH 786	Musculoskeletal Biology	3
EXPH 787	Cardiopulmonary Physiology	3
EXPH 791C	ADTP:Cardiovascular/Exrcs Phys	1-6
EXPH 797	Research	1-15
EXPH 798	Dissertation	1-6
EXPH 799	Graduate Colloquium	1-6

Faculty

Professor

- Stephen E. Alway - PhD
Sarcopenia, muscle wasting, diabetes and muscle injury
Status: Chair of Exercise Physiology, Director of Master's Program

Associate professors

- John M. Hollander - PhD
Cardiovascular research in Diabetes
Status: Director of Graduate Education
- Guyton W. Hornsby Jr. - PhD
Diabetes and depression
- Randall W. Bryner - EdD
Diabetes, exercise, and cancer
Status: Vice Chair, Director of Undergraduate Studies

Assistant professors

- Paul D. Chantler - PhD
Metabolic Syndrome, vascular biology, the effects of aging and CV diseases on arterial and ventricular structure and function
- Gregory Dick - PhD
Regulation of ion channels in vascular smooth muscle
- Jean L. McCrory - PhD
Biomechanics in obesity and pregnancy
- I. Mark Olfert - PhD
COPD, vascular function, angiogenesis
- David A. Donley - MS
Obesity, vascular function
Status: Coordinator for Clinical Track MS degree
- Emidio Pistilli - PhD
Muscular dystrophy, muscle injury, cytokines

- Sergiy Yakovenko - PhD
Neuromuscular integration of movement

Adjunct associate professors

- Ming Pei - MD, PhD
Stem cells, cartilage repair
- Robert W. Brock - PhD
Renal function in diabetes
- Jefferson C. Frisbee - PhD
Alterations to microvascular structure and function during metabolic syndrome development

Medical Laboratory Science

Degree Offered

- Bachelor of Science in Medical Laboratory Science

The Degree Program

The B.S. in medical laboratory science has two areas of emphasis: Clinical laboratory science (<http://www.hsc.wvu.edu/medsci/>) and Histotechnology (<http://www.hsc.wvu.edu/histotech/>). Clinical laboratory scientists are healthcare professionals educated in all aspects of clinical laboratory analysis including test development, performance, and evaluation. Clinical laboratory scientists may work in many areas, including clinical chemistry, hematology, immunohematology, immunology, clinical microbiology, and molecular diagnostics.

Histotechnologists are healthcare professionals who are qualified through academic and applied science education and training to provide service, research, and management in histotechnology and areas related to anatomic pathology. Histotechnologists are integral to the success of the anatomic pathology department by performing routine and complex procedures to preserve and process tissue specimens for examination and diagnosis by a pathologist.

Practice settings for clinical laboratory scientists and histotechnologists include hospital, clinic, public health, or private clinical laboratories; research, cytogenetic, pharmaceutical, or in-vitro fertilization laboratories; technical or sales representatives for medical manufacturers and suppliers; biotechnology, food, and cosmetic industries; and state or federal crime laboratories.

Nature of Program

Students are admitted into either the clinical laboratory science area of emphasis or the histotechnology area of emphasis of the medical laboratory science bachelor of science program after completing two years of pre-requisite courses in an accredited college or university. The undergraduate curriculum includes 61 semester hours of pre-requisite courses (pre-medical laboratory science curriculum), and may be completed at any regionally accredited institution of higher education. As the students complete the pre-requisite courses they apply to the medical laboratory science area(s) of emphasis.

Since the last two years are professional in nature, students must be enrolled in the WVU School of Medicine for the entire period. The junior year (the first year of the professional curriculum) includes core and area-specific courses to introduce the student to the medical sciences and to prepare for the senior year curriculum. During the senior year (the second year of the professional curriculum), the student receives both didactic instruction and practical experience. Students receive practical experience at one or more of the affiliated hospital laboratories including:

- Ruby Memorial Hospital, Morgantown, WV
- Monongalia County General Hospital, Morgantown, WV
- West Penn Allegheny Health System, Pittsburgh, PA
- WVU Eastern Division which includes City Hospital, Martinsburg, WV and Jefferson Memorial Hospital, Ranson, WV
- Veterans Affairs Medical Center, Martinsburg, WV
- Excela Health which includes Westmoreland Hospital in Greensburg, PA and Latrobe Hospital in Latrobe, PA
- Charleston Area Medical Center, Charleston, WV
- United Hospital Center, Clarksburg, WV

Students must provide their own transportation and housing during the clinical rotations. Students assigned to the Eastern Division will participate in the rural rotation activities at this site.

The WVU medical laboratory science area of emphasis in clinical laboratory science program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018, and (773) 714-8880. The medical laboratory science area of emphasis in histotechnology is a new program to WVU and is currently applying to NAACLS for accreditation and has reached the level of Serious Applicant Status. Graduates of the clinical laboratory science program and the histotechnology program are eligible for certification by the Board of Certification of the American Society for Clinical Pathology (ASCP).

Other Programs

An articulation program is available for certified medical laboratory technicians (clinical laboratory technicians) who want to complete the requirements for a degree in medical laboratory science. Further information may be obtained by contacting the Medical Laboratory Science Division Office.

A part-time curriculum is available. Part-time students must meet the same admission requirements and application deadlines as full-time students. For further information, contact the Medical Laboratory Science Division Office.

Admission to the Pre-Medical Laboratory Science major

Students in the pre-medical laboratory science major and direct admit students must meet the admission criteria of WVU. Pre-medical laboratory science students are advised by the Undergraduate Academic Services Center. Medical laboratory science faculty advise direct admit students. Prospective students should take mathematics, chemistry, and biology in high school.

Qualified applicants may enter the pre-medical laboratory science major at the beginning of any semester, but the professional curriculum begins the fall semester after the student is admitted to either the clinical laboratory science or histotechnology area of emphasis. Admission to the pre-medical laboratory science major does not assure admission to the medical laboratory science areas of emphasis in clinical laboratory science or histotechnology.

Admission to the Medical Laboratory Science Area of Emphasis in Clinical Laboratory Science or Histotechnology

Required courses for direct admit students

PATH 100	Medical Laboratory Science	1
PATH 101	Medical Laboratory Science 2	1
PATH 200	Medical Terminology	3
PATH 201	Basic Medical Lab Science	1
Total Hours		6

Traditional

Pre-medical laboratory science students apply for admission into the junior year (first year in the MLS area of emphasis) before the second semester of the sophomore year in college. Fulfillment of the pre-medical laboratory science curriculum does not assure admittance into either the clinical laboratory science or the histotechnology area of emphasis. A competitive admission process is used to select students for the professional programs. Requirements for admission to the areas of emphasis in clinical laboratory science and histotechnology include course requirements, grade point average, a personal interview, and letters of recommendation.

The course requirements (pre-requisites) are:

English (One of the following)		3-6
ENGL 101 & ENGL 102	Composition And Rhetoric and Composition And Rhetoric	
ENGL 103	Accelerated Academic Writing	
Biology		
BIOL 101	General Biology	3
BIOL 102	General Biology	3
BIOL 103	General Biology Laboratory	1
BIOL 104	General Biology Laboratory	1
Chemistry		
CHEM 115	Fundamentals of Chemistry	4
CHEM 116	Fundamentals of Chemistry	4
CHEM 231	Organic Chemistry: Brief Course *	4
Mathematics (One of the following):		3
MATH 126A	College Algebra 5-Day	

MATH 126B	College Algebra 4-Day	
MATH 126C	College Algebra 3-Day	
Statistics		
STAT 211	Elemntry Statistical Inference	3
or ECON 225	Elemntry Business/Economcs Stat	
GEC		
Credits to satisfy objectives three through nine		22-23
Total Hours		51-55

* Students who do not complete CHEM 231 Organic Chemistry: Brief Course must complete organic chemistry I and II (eight hours) which includes aliphatic and aromatic compounds with laboratory.

Although not required for admission to the medical laboratory science areas of emphasis in clinical laboratory science and histotechnology, eight credits of organic chemistry, eight credits of physics, cell biology and six credits of social sciences are suggested electives for those students interested in applying to medical, dental, or other graduate programs. In addition, a foreign language is recommended for students who plan to do graduate work.

Admission decisions are based upon the applicant's grade point average; recommendations; interview; and documented ability to successfully complete full-time academic work. Applicants should have a minimum grade point average of 2.5 (cumulative and science). Applicants may be admitted on probation if their GPA (cumulative or science) is less than 2.5. Applicants with less than a 2.0 GPA, either cumulative or science, will not be admitted. A GPA of 2.5 or above does not necessarily assure admission. Two letters of recommendation are required; at least one must be from a college science professor. A personal interview with the Medical Laboratory Science Admissions Committee is required.

Admission of international students is in compliance with WVU regulations. At least one science course (chemistry or biology) must be completed at a regionally accredited institution of higher education in the United States.

Application Procedure

Each year the Division of Medical Laboratory Science selects a limited number of students from the applications received for admission to the area of emphasis in clinical laboratory science and the area of emphasis in histotechnology. Application forms for admission to the Division of Medical Laboratory Science's areas of emphasis are available after December 1.

Office of the Assistant Director of Admissions

WVU Health Sciences Center

P.O. Box 9815

Morgantown, WV 26506-9815

or from the WVU Office of Admissions website: http://adm.wvu.edu/home/health_sciences_students

The application fee is \$25 for residents and \$45 for non-residents. The priority date for returning complete application packets is February 15. The deadline is March 1 if the student expects to enter the program the following fall semester. If the class is not filled by those applications, the deadline may be extended until as late as the first business day in August.

Pre-Medical Laboratory Sciences Curriculum Plan:

First Year			
Fall	Hours	Spring	Hours
CHEM 115	4	CHEM 116	4
Elective *	3	ENGL 101	3
Select one of the following:	3	Elective *	3
MATH 126A		Select one of the following:	4
MATH 126B		BIOL 102	
MATH 126C		& BIOL 104	
Select one of the following:	4	BIOL 117	
BIOL 101		PATH 101	1
& BIOL 103			
BIOL 115			
PATH 100 **	1		
	15		15
Second Year			
Fall	Hours	Spring	Hours
Electives *	9	CHEM 231	4

ENGL 102	3	Electives *	9
STAT 211 or ECON 225	3	PATH 201	1
PATH 200 ***	3		
	18		14

Total credit hours: 62

* General Education Curriculum courses to satisfy objectives three through nine.

** PATH 100 and PATH 101 are required for Direct Admit students and highly recommended for Pre-Medical Laboratory Science students.

*** PATH 200 and PATH 201 are required for direct admit students and optional for pre-medical laboratory science students.

Required Core Curriculum for Medical Laboratory Science Major

MICB 323	Medical Microbiology/Lab	5
PATH 300	Introduction to Pathology	3
PATH 303	Clinical Lab Applications	2
PATH 320	Basic Clinical Biochemistry	3
PATH 380	Introduction to Immunology	1
PATH 381	Rsrch/Educational Methodology	2
PATH 465	Medical Laboratory Management	2
PATH 475	Medical Relevance	3
PSIO 441	Mechanisms Body Function	4

Total Hours 25

Required Courses for Clinical Laboratory Science Area of Emphasis

MICB 327	Parasitology	2
PATH 340	Introduction to Hematology	3
PATH 329	Clinical Chemistry 1	1
PATH 310	Clinical Laboratory Mycology	1
PATH 470	Clinical Microscopy	1
PATH 472	Urinalysis and Body Fluids Lab	1
PATH 440	Clinical Hematology	3
PATH 460	Clinical Laboratory Instrumentn	2
PATH 450	Clinical Microbiology	3
PATH 420	Immunology and Blood Banking	3
PATH 430	Clinical Chemistry 2	3
PATH 480	Clinical Immunology	2
PATH 401	Phlebotomy	1
PATH 421	Immunohematgy/Blood Bank Lab	3
PATH 431	Clinical Chemistry Laboratory	3
PATH 441	Clinical Hematology Laboratory	3
PATH 451	Clinical Microbiology Lab	3
PATH 481	Clinical Immunology Laboratory	1

Total Hours 39

Required Courses for Histotechnology Area of Emphasis

NBAN 205	Introduction to Human Anatomy	3
NBAN 206	Human Anatomy Laboratory	1-3
PATH 304	Histotechnology Microanatomy	3
PATH 200	Medical Terminology	3
PATH 305	Staining Techniques 1	4
PATH 306	Histotechnique 1	3
PATH 405	Staining Techniques 2	4
PATH 406	Histotechnique 2	3
PATH 407	Histology Laboratory	8

Fourth Year (Medical Laboratory Science 2)

Students receive didactic and clinical instruction during the fourth (senior) year. The senior year includes summer, fall, and spring semesters. Any competencies not completed must be made up by the end of the school year (mid-May) or graduation may be delayed.

Graduation Requirements

Junior Year

Students must maintain a minimum grade point average of 2.0 for each semester to advance to the senior year. Failure to maintain at least a 2.0 GPA may result in probation or suspension. The Academic and Professional Standards Committee must recommend any student for advancement to the senior year. A satisfactory GPA does not assure advancement.

Senior Year

A student must maintain a minimum grade point average of 2.0 for each semester of the senior year. Graduation requires satisfactory completion of all academic work and the recommendation of the faculty of the School of Medicine. All first degree students are required to complete a total of 125 semester hours for the BS in MLS degree.

Graduation is not dependent upon passing a national certification examination.

Faculty

Professor and MLS Division Director

- Martha J. Lake - Ed.D., MT(ASCP)
Professor and Medical Laboratory Science Division Director

HTL Program Director

- Kimberly Feaster - BS, HTL(ASCP)QIHC

Associate Professor and CLS Medical Director

- Peter L. Perrotta - M.D.

Assistant Professor and HLT Medical Director

- Ryan H. Livengood - M.D.

Medicine

Degrees Offered

- **Doctor of Medicine**
- Joint Doctor of Medicine and Doctor of Philosophy
- Joint Doctor of Medicine and Master's in Public Health

The degree of doctor of medicine (M.D.) is granted to students who have completed the prescribed curriculum and who have been recommended for the degree by the faculty of the School of Medicine.

The M.D./PhD. program is available to students who show exceptional interest and scholarly promise. All admission requirements of the School of Medicine and the specific graduate program apply. An M.D./M.P.H. program is available for those interested in public health issues.

The following information applies only to students in the School of Medicine who are enrolled in the prescribed curriculum which culminates in the M.D. degree. All other students, undergraduates, or graduates enrolled in other programs in the School of Medicine are governed by the policies found elsewhere in this catalog.

Accreditation

The West Virginia University School of Medicine is accredited by the Liaison Committee on Medical Education (LCME).

Admission Requirements

The student preparing for any career in the health professions must have a keen interest in the sciences.

The following courses are required for consideration of an application to medical school:

- English 6 semester hours
- Biological sciences (with lab) 8 semester hours
- Inorganic chemistry (with lab) 8 semester hours
- Organic chemistry (with lab) 8 semester hours
- Physics (with lab) 8 semester hours
- Social or behavioral sciences 6 semester hours

Biochemistry and Cellular and Molecular Biology are strongly recommended. A total of 90 semester hours, exclusive of ROTC and general physical education, is required. Computer skills are required. All required courses must be passed with a grade of C or better. All required classes must be completed prior to January 1 of the year of admission.

An excess of credit hours or higher degrees does little to offset the disadvantage of low grades when being considered for admission to the School of Medicine. Repeating courses to raise the grade is discouraged. Applicants who have been subject to suspension from WVU or other medical schools can be admitted only in very exceptional cases and at the discretion of the Admissions Committee.

Pre-Admission Tests

The score of the Medical College Admissions Test (MCAT) is one of the factors used by the Admissions Committee in considering an applicant for admission. It is recommended that students take the MCAT during the spring of their junior year in college. The MCAT must be taken by September of the year of application. MCATS taken in January of the year of admission will not be considered. The dates for beginning and closure of application acceptances are available through AMCAS and on our website.

Information concerning the time and place of the test can be obtained from your premedical advisor, or the Office of Admissions at the Health Sciences Center.

Application Procedure

The admission process is initiated by completing the online American Medical College Application Service (AMCAS) forms. They are online at <http://www.aamc.org>.

Application for admission in August should be made at the end of the previous school year. The last date for filing an application is November 1. The applicant should file as early as possible, making certain that recent MCAT scores, current transcripts, and letters of recommendation are available to the Admissions Committee.

Admission preference is given to West Virginia residents and those non-resident applicants who have strong ties to the state, or verifiable interests in rural and primary care. No one specific factor is used to determine admission. However, careful consideration is given to those personal qualifications which apply to the study and practice of medicine. The criteria for admission include academic performance, course load, letters of recommendation, MCAT scores, motivation, interpersonal skills, community service, health care experiences, and a personal interview. An early decision program is available for those residents and non-residents with strong grades and MCATs who wish only to apply and attend WVU.

No applicant is admitted before an interview by the Admissions Committee. Residency status is determined by the Board of Governors Policy Bulletin #36. Interviews and consideration of applicants begin in September. Acceptances are made on a rolling basis.

If an applicant is denied admission or does not enroll after acceptance, he or she must reapply in the regular manner for consideration in a subsequent year.

Advanced Standing

Advanced standing positions are considered only in very exceptional circumstances and only to students currently attending a medical school accredited by the Liaison Committee on Medical Education (LCME). A request for transfer is usually considered during the second year. The application must be received no later than April 1. The applicant must present certification of good academic and professional standing in the school from which he/she is transferring. An official transcript of all prior medical school work, and recommendations are required from all medical schools attended. In addition, successful results of Step I of the United States Medical Licensure Examination must be available before action on an application can be finalized.

Conditions Following Acceptance

An applicant accepted into the first year or in advanced standing is expected to meet all entrance requirements and satisfactorily complete all undergraduate/medical school work in progress. Failure to do so may result in the withdrawal of the acceptance by the Admissions Committee.

The student must be aware that furnishing or causing to be furnished, false or incorrect information for the purpose of the School of Medicine application constitutes grounds for disciplinary actions, including, but not limited to, expulsion or revocation of the acceptance.

A criminal background check is required and must be successfully passed prior to matriculation. Certain convictions negate an offer to attend medical school at WVU.

Students in the School of Medicine agree to abide by the provision of an integrity code, which requires ethical and moral standards of conduct in all situations. Each student is required to return a signed statement to the Office of Student Services, indicating the student has read and understands the Student Professional and Academic Integrity Code of the West Virginia University School of Medicine. The code and copies of the statement are available on the Student Services website.

Prior to entering medical school, all students must complete certain prescribed immunization and diagnostic procedures. Personal health insurance is required.

Promotion and Graduation Requirements

Evaluation of Student Progress

Promotion of a student in the M.D. degree program is evaluated in four major areas: 1.) Successful completion of all required work; 2.) Successful completion of Step 1 and Step 2 of the United States Medical Licensure Examination (USMLE); 3.) successful completion of the WVU School of Medicine Clinical Performance Exam; and 4.) successful fulfillment of the professional standards of the School of Medicine, including 100 hours of community service.

The following information is only a brief outline of the School of Medicine policies and procedures. Detailed requirements and policies for evaluation of student progress and graduation may be found in the Policy on Academic and Professional Standards Governing the M.D. degree program at WVU School of Medicine on the Student Services website. The Committee on Academic and Professional Standards administers all promotion and dismissal rules.

Academic Coursework Review

The Committee on Academic and Professional Standards of the School of Medicine reviews the performance of each student in every course at the end of each academic period and makes recommendations to the Dean. If a student has been found to have an unsatisfactory performance in any of the required courses, dismissal from the school may be recommended. In selected circumstances, the committee may recommend remedial work of all or a portion of the curriculum. Exceptions may be made only upon recommendation of the committee. The application of rules on dismissal is not automatically changed by removal of incomplete (I) grades or by the repetition of courses in other medical courses.

It is the policy of the School of Medicine that the departments conduct examinations to help in the overall evaluation of student progress. In addition to the departmental examinations, other examinations may be conducted for other purposes. At the end of each year a comprehensive examination, designed on an interdepartmental basis, may be required as a test of readiness for promotion.

A student may be subject to remedial work or dismissal on recommendation of the Committee on Academic and Professional Standards to the dean even though no unsatisfactory (U) grade has been received in a required course. Such an unusual event would occur only if, in the opinion of the committee, the student's overall performance does not meet the academic/professional standards of the School of Medicine.

Readmission of a dismissed student is the prerogative of the Admissions Committee after careful review of the student's performance, including but not limited to, recommendations of the Committee on Academic and Professional Standards.

Grading Policy

All courses required for the M.D. degree are graded as honors (H), satisfactory (S), or unsatisfactory (U) at the completion of the course in lieu of other letter grades. The H, S, and U designations are accompanied by a narrative report of the student's progress, noting any factors requiring remedial work or counseling. The narrative is submitted by each course and filed in the Office of Student Services. A grade of U shall be regarded as a failing grade.

The grade of incomplete (I) is given when the instructor believes that the work is unavoidably incomplete or that a supplementary examination is justifiable. If a grade of I is not removed by satisfactory completion of the work before the end of the next semester in which the student is in residence, it becomes a failure (unsatisfactory) unless special permission to postpone the work is obtained from the Committee on Academic and Professional Standards (University rule). All students who have a health problem which they feel may be causing difficulty with their academic progress are strongly advised to notify an associate dean for student services. It is the responsibility of the student to consult the instructor about the means and schedule for making up incomplete courses.

No student will be permitted to register for any work of the second or subsequent year until all courses for the year before have been completed successfully.

United States Medical Licensure Examination (USMLE)

All states require that physicians be licensed to practice medicine. Satisfactory completion of all portions of the United States Medical Licensing Examination (USMLE) is the only mechanism by which this license may be obtained. The School of Medicine requires a passing

grade on Step I and Step II for promotion and graduation. A failing grade will delay progress and require remediation. Students are limited to three attempts on each step.

Step I is required upon successful completion of all basic science coursework. A passing grade in Step I is required for promotion into the clinical rotations. Step II (clinical knowledge and clinical skills) is required after successful completion of third-year clinical rotations. A passing score on Step II is required before a recommendation can be made to grant the M.D. degree by the School of Medicine faculty and Committee on Academic and Professional Standards.

Licensure examinations are administered using a computer-based testing format.

Professional Standards Review

All non-disciplinary matters are governed by the concept of academic due process.

In view of public and professional responsibilities, the faculty of each of the professional schools of WVU has the authority to recommend to the president of the University the removal of any student from its rolls whenever, by formal decision reduced to writing, the faculty finds that the student is unfit to meet the qualifications and responsibilities of the profession. For further information the reader is referred to the Policy on Academic and Professional Standards Governing the M.D. Degree Program at West Virginia University School of Medicine, which is available at the School of Medicine Office of Student Services, and on the Student Services website.

Departure from Scheduled Work

Medical students are registered for all prescribed courses for each semester except by special permission from the Committee on Academic Standards and an associate dean for student services of the School of Medicine. This permission is not valid until it has been reported to the assistant director of admissions and records, Health Sciences Center, and for record, the Office of Student Services, School of Medicine.

Interruption of academic work must be approved by the Office of Student Services.

Medical Education Program of Study

On the most recent restructuring of medical education curriculum the most significant changes include:

1. Students begin clinical experiences early in their first year of medical school
2. The basic science disciplines have been integrated
3. Incoming medical students are required to lease a laptop computer to use in the curriculum that incorporates information and academic technology in the delivery of instruction.

With these principles in mind, the old semester (college-like) schedule of the independent discipline-based courses, for example, physiology, gross anatomy, biochemistry, neurobiology, microanatomy, epidemiology, and psychiatry has been replaced.

First Year

Medical students' first year: 38-week academic year divided into three blocks (16 weeks, 15 weeks, and seven weeks). Approximately 24 scheduled instructional contact hours per week. Each block contains three courses: A basic science multidisciplinary course; public health (epidemiology, biostatistics, and preventive medicine) in the fall; and physical diagnosis and clinical integration (large group alternating every other week with small groups). While physical diagnosis and clinical integration runs throughout the year, the basic science component changes each block. The first block (16 weeks) contains a multidisciplinary run course: Human function (physiology, biochemistry, and genetics.). Second block (15 weeks) consists of human structure (gross anatomy, embryology, and microanatomy: large group and laboratory). Third block (seven weeks) consists of multidisciplinary neuroscience (ten hours large group, laboratory, and small group). A weekly problem-based learning group is maintained throughout the first year.

Second Year

Medical students' second academic year is 34 weeks. The schedules of course material from Microbiology and Immunology, Pathology, Pharmacology, and Physical Diagnosis and Clinical Integration-2 courses are integrated by organ system. Each course maintains its autonomy with respect to assessment of student performance. This integrated, yet independent approach, assists students in finding remediation courses if they experience academic difficulty in any one particular discipline. In addition to the integration of the schedule of these four courses, there is an additional course, Behavioral Science and Psychopathology, in the fall and Health Care Ethics in the spring. There are approximately 26 scheduled instructional contact hours per week.

Clinical Years

The last two years of study take place in the clinics, hospitals, and community settings where students have the opportunity to help diagnose and treat patients under supervision of the faculty and staff. All students will serve a significant portion of the clinical years training at an off-campus or rural site.

Third Year

In the third year the student must spend a designated period of time in each of the major clinical disciplines: internal medicine, surgery, pediatrics, obstetrics and gynecology, psychiatry and neurology, and family medicine. This gives the student a foundation in history-taking, examination, patient relations, laboratory aids, diagnosis, treatment, and use of the medical literature in the major clinical disciplines. One month is spent in rural primary care.

Approximately one-third of each class is selected during their first year to spend the third and fourth year at the Charleston Division of the Robert C. Byrd Health Sciences Center of West Virginia University. A smaller number of students will also complete their clinical work on the Eastern Division Campus.

Fourth Year

The fourth year is a partially structured and partially elective year. Each student works with an advisor to select the program best suited to the individual's abilities and goals. Courses selected are subject to approval of an associate dean in the Office of Student Services.

Three months of the senior year are committed to required clerkships at the home campus which include one month in internal medicine, family general medicine, surgery, or pediatric sub-internship; one month of acute care; and one month of rural community care. The remaining 5 months of the senior year are elective at approved teaching sites.

A catalog is available online that lists the approved electives and selection guidelines at <http://education.hsc.wvu.edu/ms4catalog>.

Students interested in other extramural opportunities are advised to consult with the fourth-year curriculum coordinator in the Office of Student Services. Elective time must be spent in LCME (Liaison Committee on Medical Education) or JCAH (Joint Council of American Hospitals) accredited institutions. Foreign rotations, regardless of sponsorship, are limited to one month credit.

Curriculum

First Year	Hours
CCMD 730	16
CCMD 745 (PDCI-1)	3
CCMD 712	4
NBAN 703	1-17
CCMD 746 (PDCI-1)	3
CCMD 775	6
CCMD 788 (Billing Course)	6
	39-55
Second Year	Hours
MICB 701	12
PATH 751	6-12
PCOL 761	7
CCMD 721 (PDCI-2)	6
CCMD 722 (PDCI-2)	4
CCMD 725	2
CCMD 740	5
CCMD 776	2
CCMD 778	1
CCMD 788 (Summer Billing Course)	1-6
USMLE Step 1	
	46-57
Third Year	Hours
FMED 731	8
MED 731	8
PEDI 731	8
OBST 741	8
BMP 741	6
NEUR 741	2
CCMD 788 (Summer Billing Course)	1-6
SURG 741	8
	49-54
Fourth Year	Hours
CCMD 777	2
CCMD 779 (CPX)	1
CCMD 780	4

CCMD 781	4
CCMD 782	4
USMLE Step 2 CK	
USMLE Step 2 CS	
Electives (20 Weeks)	15

Total credit hours: 149-181

The field of medicine is rapidly changing. The following curriculum outline is the plan that is presently in place. However, the medical school curriculum at WVU will change as needs dictate.

Community Service

All students of the Health Sciences Center are required to perform community service or service learning as a component of their curriculum. Medical students must complete 100 hours of service prior to graduation.

Neuroscience

aberrebi@hsc.wvu.edu

Degrees Offered

- Doctor of Philosophy
- Joint Doctor of Medicine and Doctor of Philosophy

The interdepartmental neuroscience graduate program is committed to training the next generation of researchers and educators. Successful completion of degree requirements is based on research and scholarly achievement. Students will have opportunities to experience and acquire the skills needed for successful careers as independent scientists, including critical thinking, problem solving, and leadership. Research experiences include evaluating scientific literature, identifying critical scientific issues, experimental design, grant and manuscript writing, publication of scientific papers, and presentations at national meetings. Students with career interests in teaching will have the opportunity to gain experience in innovative teaching methods and techniques, including problem-based learning, computer-assisted learning, and integrated teaching approaches. The program faculty's expertise spans all neuroscience sub-disciplines, including structural, cellular, molecular, and developmental. After completion of core coursework, students conduct an original research project culminating in a doctoral dissertation.

Current research areas include:

Sensory Neuroscience: Mechanisms of auditory and visual system development; inhibitory neural circuits in the brain stem and cortex; synaptic development of thalamocortical circuits; molecular genetic control of retinal development and neural patterning; cell biology of G-protein-mediated signal transduction in vertebrate photoreceptors; olfactory signal processing in the brain; post-translational modification of proteins and protein assembly.

Cognitive Neuroscience: Sound recognition, spatial hearing and sensory integration using fMRI; use-dependent plasticity in motor cortex after stroke; neurogenic communication disorders.

Neural Injury: Functional and structural integrity of the blood brain barrier in health and disease; role of neuroinflammation in CNS pathologies; stroke pathophysiology and neuroprotection.

Behavioral Neuroscience: Airway innervation and asthma; structural and functional changes in the hypothalamus of seasonal breeders; neurobiological pathways controlling food intake and obesity; plasticity in the amygdala; development of new compounds to treat neurological and psychiatric disorders; developmental aspects of sleep and sleep disorders; molecular psychopharmacology; learning, memory and synaptic plasticity; signal transduction pathways involved in neurodegenerative and neuropsychiatric disorders.

Interdisciplinary research projects include: Structure and transcriptional mechanisms controlling neural gene expression; molecular biology and molecular genetics of neural degeneration and regeneration in the central nervous system; developmental neurochemistry and environmental influences on brain development, especially nutrition; neuroanatomy and neurophysiology of somatosensory and auditory systems; structural plasticity of astrocytes and modulation of synaptic contacts in the central nervous system; developmental neurobiology of anxiety disorders; development of synaptic connections in the neocortex; developmental genetics of rodent behavioral mutants; neural basis of pulmonary diseases, especially asthma and occupational/environmental diseases; mechanisms regulating microcirculation under pathophysiological conditions.

Seminars and Journal Clubs

Students develop skills in formal presentation, critical thinking, and scientific analysis by participating in neuroscience seminars and journal clubs.

Ph.D. Candidacy

To be admitted to candidacy for the Ph.D. degree, the student must pass a preliminary examination and present a plan for the dissertation research project for approval by the candidate's Advisory Committee.

Ph.D. Dissertation

To be recommended for the Ph.D. degree, each student must satisfactorily complete a dissertation based on original research and defend the dissertation at an oral examination. Success in the dissertation research is the core of the degree.

Faculty

Graduate Program Director

- Dr. Albert Berrebi

Division of Occupational Therapy

Degree Offered

- Master of Occupational Therapy

Introduction

In the fall of 1993, the West Virginia Board of Trustees approved the establishment of a new master's degree program at WVU, leading to an entry-level master's degree in occupational therapy. WVU accepted its first students into the professional program in the fall semester of 1996. The academic and fieldwork program requires three years to complete. Prior to application, students are required to complete approximately 50 to 55 hours of prerequisite courses, which in most instances will take two years to fulfill.

The Profession of Occupational Therapy

Occupational therapy is a health profession which provides services to people of all ages with physical, mental, or developmental disabilities. The purpose of occupational therapy is to help individuals achieve a maximum level of independence. The focus is on developing the capacity to function in all activities (occupations) of daily life, including self care, work, and leisure. Hence the name occupational therapy.

Occupational therapy is a health and rehabilitation profession designed to help people regain and build skills that are important for health, well-being, security, and happiness.

Occupational therapists work with people of all ages who, because of physical, developmental, social, or emotional deficits, need specialized assistance in learning skills to enable them to lead independent, productive, and satisfying lives.

Occupational therapists work in schools, hospitals, rehabilitation centers, home health agencies, skilled nursing homes, and private practice.

Accreditation Status

WVU's Division of Occupational Therapy has been granted accreditation status by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, M.D. 20824-1220. AOTA's phone number is (301) 652-AOTA. The OT program at WVU was initially awarded accreditation in 1998, and awarded re-accreditation in 2003. The next scheduled onsite visit for accreditation will be 2013.

Graduates of the program are able to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy Inc. (NBCOT). For more information, NBCOT can be contacted at (301) 990-7979 or at <http://www.nbcot.org/>. After successful completion of this exam, the individual will be an occupational therapist, registered (OTR). Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Note: A felony conviction may impact a graduate's ability to take the NBCOT examination and/or obtaining a state license. For further information on NBCOT's Character Review Program, interested parties can obtain information from that Board or their website.

Note: The following list of prerequisite courses and GEC requirements is subject to change without notice.

ENGL 101	Composition And Rhetoric	3
ENGL 102	Composition And Rhetoric	3
PSYC 101	Introduction to Psychology	3
PSYC 241	Intro to Human Development	3

PSYC 281	Intro to Abnormal Psychology	3
SOCA 101 or SOCA 105	Introduction to Sociology Introduction to Anthropology	3
BIOL 101 & BIOL 103	General Biology and General Biology Laboratory	4
BIOL 102 & BIOL 104	General Biology and General Biology Laboratory	4
PHYS 101	Introductory Physics *	4
PSIO 241 or PSIO 441	Elementary Physiology * Mechanisms Body Function	4
STAT 211	Elemntry Statistical Inference *	3
COMM 100	Principles-Human Communication	1
COMM 102	Human Comm-Interprsnl Context	2

Applicants are also required to complete a Medical Terminology course such as OTH 201 Medical Terminology in OT (1 credit).

* Check for prerequisites for PHYS 101, PSIO 241, and/or STAT 211 by contacting either the Division of Occupational Therapy, or the department under which those courses are housed.

Fulfillment of WVU's General Education Curriculum (GEC) not covered by the above.

(See the WVU Undergraduate Catalog)

These include one three-credit course in each of the following objectives: 3, 5, 8, 9; plus the one-credit WVUE 191 University Orientation.

Note: Applicants holding a bachelor's degree from an accredited institution are exempt from the GEC requirement.

WVU students must consult the Undergraduate Academic Services Center prior to enrolling in prerequisite courses. These courses may be taken at any institution which offers equivalent courses. Any questions regarding pre-requisite courses may be directed to the Undergraduate Academic Services Center, (304) 293-5805, and/or the Division of Occupational Therapy (304) 293-8828. Equivalence may be determined by contacting the:

Transfer Desk
Admissions Office
West Virginia University
P.O. Box 6009
Morgantown, WV 26506-6009

Admission Standards

Normally, students apply to the program during their second year of college. They must have a minimum of 50 to 55 hours of college credit which includes the per-requisites listed previously. Students who already have a degree in another field are also eligible to apply. All applicants must meet the following criteria:

- Minimum GPA of 3.0, including overall GPA and prerequisite GPA, is normally required (a higher GPA may be necessary given the competitive nature of the program).
- Minimum of 60 hours of volunteer experience with a licensed occupational therapist. Students should contact the Division of Occupational Therapy to determine the type of experience required. Students should keep a record of dates/hours, locations, and name of supervising occupational therapist. Forms to record volunteer experience can be found online at <http://www.hsc.wvu.edu/som/ot>.
- Two recommendations are also required, one from an occupational therapist who supervised the volunteer/work experience and the other from a college/university professor who has recently taught the applicant. These recommendation forms are included in the application packet.
- Completion of all prerequisite courses by the end of the semester of application (normally, second semester of sophomore year) is normally required.

Application packets are available from the Health Sciences Center Admissions and Records office beginning November 15 (P.O. Box 9815, Morgantown, WV 26505-9815; (304) 293-3523). The deadline for submission of application materials is typically February 15. The official deadline will be posted on the occupational therapy website and printed in the admissions packet.

Course information for the master of occupational therapy degree can be found on the following website: <http://www.hsc.wvu.edu/som/ot>.

What to Expect

Like many professional programs, the curriculum in the entry-level master's occupational therapy program is fairly fixed and intense. The first professional year will include courses in basic sciences and introductory professional courses. The second and third professional years will deal more specifically with training in occupational therapy theory and practice as administered across a wide variety of settings. The professional curriculum includes two off-campus, full-time clinical experiences known as Level II Fieldwork. Students are financially responsible for transportation, housing, and meal expenses related to clinical assignments. Students in the program are required to participate in the School of Medicine's laptop computer purchase lease-to-own program, which provides each student with a state-of-the-art computer that contains course- and program-relevant software.

Occupational Therapy Curriculum Plan

Note: This curriculum plan is subject to change without notice.

The following Plan of Study is based on two years of college prerequisite work with

Second Year							
Summer		Hours					
OTH 300		4					
OTH 301		3					
		7					
Third Year							
		Fall	Hours	Spring	Hours		
		OTH 303	2	OTH 307	4		
		OTH 304	4	OTH 308	3		
		OTH 306	4	OTH 310	3		
		OTH 360	3	OTH 321	3		
		OTH 435	3	OTH 480	1		
		OTH course - Qualitative Research	1	OTH 387	2		
				OTH course - Neurology in OT	1		
			17		17		
Fourth Year							
Summer		Hours	Fall	Hours	Spring	Hours	
OTH 540		1-6	OTH 384	2	OTH 386	2	
			OTH 401	4	OTH 405	4	
			OTH 417	3	OTH 408	3	
			OTH course - Peds 1	2	OTH 416	2	
			OTH 430	3	OTH 419	3	
			OTH 440	2	OTH 432	3	
			OTH 497	1	OTH 480	1	
					OTH 497	1	
			1-6		17		19
Fifth Year							
		Fall	Hours	Spring	Hours		
		OTH 500	3	Weeks 1-4			
		OTH 503	3	OTH 501	4		
		OTH 520	3	OTH 550	3		
		OTH 551	3	OTH course - Professional Development	1-6		
		OTH 570	3	OTH 697	2		
		OTH 697	2	Weeks 5-16			
				OTH 640	6		
			17		16-21		

Total credit hours: 111-121

Program Timeframe

Students must complete all didactic coursework and Level II Fieldworks within a period of five years after commencing the occupational therapy program. Furthermore, all Level II Fieldwork must be completed within 18 months following completion of academic coursework while remaining within the five-year time frame.

Entry-Level Master's Program in Occupational Therapy

First Year

Fall	Hours	Spring	Hours	Summer	Hours
OTH 303	2	OTH 307	4	OTH 301	3
OTH 304	4	OTH 308	3	OTH 300	4
OTH 306	4	OTH 310	3		
OTH 387	2	OTH 321	3		
OTH 360	3	OTH 385	2		
OTH 435	3	OTH 480	1		
OTH course - Qualitative Research	1	OTH course - Foundations-Cognition	1		
	19		17		7

Second Year

Fall	Hours	Spring	Hours	Summer	Hours
OTH 384	2	OTH 386	2	OTH 540	6
OTH 401	4	OTH 405	4		
OTH 417	3	OTH 408	3		
OTH 430	3	OTH 416	2		
OTH 440	2	OTH 419	3		
OTH 497	1	OTH 432	3		
OTH course - Peds 1	2	OTH 480	1		
		OTH 497	1		
	17		19		6

Third Year

Fall	Hours	Spring	Hours
OTH 500	3	OTH 501	4
OTH 503	3	OTH 550	3
OTH 520	3	OTH course - Professional Development	1
OTH 551	3	OTH 640	6
OTH 570	3	OTH 697	2
OTH 697	2		
	17		16

Total credit hours: 118

Faculty

O.T.R./L.

- Randy P. McCombie - Ph.D.
Chair

Pathologists Assistant

cgermain@hsc.wvu.edu

jfalcon1@hsc.wvu.edu

Degree Offered

- Master of Health Science

The Profession

A pathologists' assistant is a healthcare professional who is qualified through academic and practical training to provide services in anatomic pathology under the direction of a qualified pathologist. Pathologists' assistants serve as physician-extenders in the same manner as physicians' assistants. The addition of pathologists' assistants to the pathology team can reduce cost, increase revenue, and improve workflow in the anatomic pathology lab. In practice, pathologists' assistants (PAs) are responsible for the processing of the surgical pathology specimen from receipt to dissection and description to submission of tissue to histology. In autopsy practice, the PA is involved in reviewing the medical record of the decedent, evisceration, dissection, and selection of tissue for submission to histology as well as formulation of a preliminary anatomic diagnosis and autopsy report under the direction of a pathologist. Many PAs are involved in laboratory management, teaching at the University level, training of residents and medical students, forensic investigation, or research.

Nature of Program

The graduate program for pathologists' assistants began in January 2008 and is administered by the School of Medicine. Students are admitted into the Master of Health Science program after earning a baccalaureate degree from a regionally accredited college or university. Students with a cumulative grade point average of 3.25 or higher in the B.S. degree program in Medical Laboratory Science at West Virginia University may be provisionally admitted directly into the pathologists' assistant program at the end of their junior year.

This program is a 24-month master's level program that prepares graduates as allied health professionals for careers as pathologists' assistants. During the second year, the student receives both didactic instruction and practical experience. Students receive practical experience at several of the program's affiliated medical laboratories including

- West Virginia University Hospital and Medical Examiner's Office, Morgantown, WV
- Allegheny General Hospital, Magee-Women's Hospital of UPMC, UPMC Presbyterian and UPMC Shadyside, Pittsburgh, PA
- University of Pittsburgh Health Sciences Tissue Bank at UPMC Shadyside, Pittsburgh, PA
- Thomas Memorial Hospital, Charleston, WV

The WVU pathologists' assistant program is accredited by

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)

8410 W. Bryn Mawr Avenue

Suite 670

Chicago, IL 60631-3415

(773) 714-8880

Graduates are eligible for certification by the Board of Certification of the American Society for Clinical Pathology(ASCP).

Admission to the Pathologists' Assistant Program

All students seeking admission to the Master of Health Science, Pathologists' Assistant program must meet the following admissions requirements:

- Hold an earned baccalaureate degree from a regionally accredited institution of higher education.
- Successfully complete the specific pre-requisite coursework in mathematics and sciences.
- A GPA (cumulative and pre-requisite courses) of at least 3.0 on a 4.0 scale is preferred.
- Submit two letters of recommendation
- Complete a shadowing experience with a certified PA in Pathology or have equivalent work experience.
- Complete an interview with the Admissions Committee.
- Submit an electronic admissions packet including the application form, personal statement, essential functions form, shadowing statement and official transcripts from all colleges and universities attended. Paper admissions application forms are not accepted, except for Direct Admit candidates from the WVU MLS programs.

Requirement

Requirement	Description
College Prep	Baccalaureate Degree*
Pre-requisite Courses	8 Hr. Biology with laboratory
Pre-requisite Courses	8 Hr. College Chemistry with lab
Pre-requisite Courses	4 Hr. CHEM 231, Organic Chemistry: Brief course or 4 Hr.
Pre-requisite Courses	Biochemistry with laboratory or equivalent
Pre-requisite Courses	4 Hr. Microbiology with laboratory
Grade Point Average preferred	3.0 cumulative
Grade Point Average preferred	3.0 in the pre-requisite courses
Recommendations**	Two letters of recommendation
Interview**	A personal interview with the Pathologists' Assistant Program Admission Committee

Shadowing or Work Experience

Applicant must complete a shadowing experience with a practicing pathologists' assistant or have applicable work experience in surgical or autopsy pathology. A statement regarding this experience is required in the application packet. Please contact the program director for assistance if necessary.

Admissions Classifications

Students must have a baccalaureate degree prior to beginning the professional sequence. However, the program has established the following admissions classifications:

- **Direct Admit.** A limited number of students completing the bachelor of science program in Medical Laboratory Science or Histology who have a cumulative GPA of 3.25 may apply to the Master of Health Science, Pathologists' Assistant program at the end of their junior year. These students will be admitted into the program after completing the B.S. in Medical Laboratory Science at West Virginia University.
- **Regular Decision.** A student applies in the admission cycle during their senior year.

Typically, application will be submitted in January-May of the senior year. Admission is contingent upon satisfactory completion of the baccalaureate degree.

Performance Standards

Students are required to maintain a semester GPA of 3.0 to progress in the first and second year of the professional program.

Application Procedure

Each year the pathologists' assistant program selects a limited number of students from the applications received for admission. Applications for admission to the program are available between January 1- May31 for the class beginning the following January. The application fee is \$25 for residents and \$40 for non-residents. Each applicant must arrange for transcripts to be sent directly from all undergraduate institutions attended to the Admissions Office. When the application is complete, the file is sent to the Pathologists' Assistant Admissions Committee. A complete admissions packet contains: Completed application form and personal statement, official transcripts, two references **, and the essential functions form. Please note that the admissions office does not handle reference letters. Each application requires two letters of reference (one from a professor and one from a laboratory professional with whom you have worked.) An interview will be granted to qualified applicants after a review of the application packets.

** Letters of reference should be mailed to: Cheryl Germain, Program Director, WVU Pathologists' Assistant Program, P.O. Box 9203, Morgantown, WV 26506-9203.

Pathologists' Assistant Program Essential Functions

In accordance with Section 304 of the 1973 Vocational Rehabilitation Act, the West Virginia University Pathologists' Assistant program has adopted minimum technical standards for assessment of all applicants.

Because the master's degree in health science/pathologists' assistant signifies that the holder has obtained minimum competencies in all areas of the anatomic pathology laboratories, it follows that graduates must have the knowledge and skills to function in a wide variety of laboratory situations and to perform a wide variety of procedures.

1. Candidates for the master's degree in health science/pathologists' assistant must have somatic sensation (sense of touch) and the functional use of the senses of vision and hearing.
 2. Candidates' diagnostic skills will also be lessened without the functional use of the sense of equilibrium, smell, and taste.
 3. Additionally they must have sufficient motor function to permit them to carry out the activities described in the sections that follow.
 4. They must be able to consistently, quickly, and accurately integrate all information received by whatever sense(s) employed, and they must have the intellectual ability to learn, integrate, analyze, and synthesize data.
 5. A candidate for the master's degree in health science/pathologists' assistant must have abilities and skills which include observation, communication, motor, conceptual, integrative, quantitative, behavioral, and social. Technological compensation can be made for some disabilities in certain areas but a candidate should be able to perform in a reasonably independent manner. The use of a trained intermediary means that a candidate's judgment must be mediated by someone else's power of selection and observation.
- **Observation:** The candidate must be able to observe demonstrations, procedures, and instruments in the basic sciences and clinical courses. Observation necessitates the functional use of the sense of vision and somatic sensation. It is enhanced by the functional use of the sense of smell.
 - **Communication:** A candidate should be able to speak, hear, and observe people in order to elicit information and perceive nonverbal communications. A candidate must be able to communicate effectively and efficiently in oral and written form with members of the health care team.
 - **Motor:** Candidates should have sufficient motor function to perform laboratory procedures. This action requires the coordination of both gross and fine muscular movements, equilibrium, and functional use of the senses of touch and vision.
 - **Intellectual—conceptual, integrative, and quantitative abilities:** These abilities include measurement, calculation, reasoning, analysis, and synthesis. Problem solving requires all of these intellectual abilities. In addition, the candidate should be able to comprehend three-dimensional relationships and to understand spatial relationships of structures.
 - **Behavioral and Social Attributes:** A candidate must possess the emotional health required for full utilization of his/her judgment, the prompt completion of all responsibilities, and the development of mature, sensitive relationships with patients and coworkers.

Candidates must be able to tolerate physically taxing workloads and to function effectively under stress. They must be able to adapt to changing environments, to display flexibility and to learn to function in the face of uncertainties. Compassion, integrity, concern for others, interpersonal skills, interest, and motivation are all personal qualities that should be assessed during admissions and education process. In its evaluation of applicants to the West Virginia University Pathologists' Assistant program, the Admissions Committee will approach each applicant with the following questions in mind.

When an applicant does not meet a non-academic standard as defined above, and when this would, in the professional judgment of the committee, not satisfy the pathologists' assistant objectives for the student in performing laboratory procedures, education, and research, such opinion will be documented by the Admissions Committee.

The questions are not designed to disqualify an applicant but rather to give the Admissions Committee more complete information about an applicant's ability to meet these nonacademic standards:

1. Is the candidate able to observe demonstrations and perform procedures in the basic sciences and clinical courses?
2. Is the candidate able to analyze, synthesize, solve problems, and make judgments about results obtained on patient specimens?
3. Does the candidate have sufficient use of the senses of vision, hearing, and somatic sensation necessary to perform the indicated laboratory procedures?
4. Can the candidate reasonably be expected to communicate the results of laboratory tests to other members of the health care team with accuracy, clarity, and efficiency?
5. Can the candidate reasonably be expected to learn and perform laboratory tests and operate instruments?
6. Can the candidate reasonably be expected to display good judgment in the analysis of procedure results?
7. Can the candidate reasonably be expected to accept criticism and respond by appropriate modification of behavior?
8. Can the candidate reasonably be expected to possess the perseverance, diligence, and consistency to complete the pathologists' assistant program and to become a practicing pathologists' assistant?

Curriculum

First Year						
Fall	Hours	Spring	Hours	Summer	Hours	Hours
PATH 610	1	PATH 603	6	PATH 751		12
MICB 702	5	PATH 625	4			
PSIO 743	5	PATH 728	5			
PATH 620	2	FIS 493B	3			
PATH 465	2					
PATH 605	2					
	17		18			12
Second Year						
Fall	Hours	Spring	Hours	Summer	Hours	Hours
PATH 629	7	PATH 627	9	PATH 628		9
PATH 631	2	PATH 630	2			
	9		11			9

Total credit hours: 76

Graduation Requirements

Students are required to maintain an overall GPA of at least 3.0 as a graduate student while enrolled in the pathologists' assistant program. A minimum 3.0 GPA is required to graduate from the program.

Faculty

Program Director and Assistant Professor

- Cheryl Germain - MHS, P.A. (ASCP)

Medical Director and Assistant Professor

- Tiffany Harper - M.D.

Clinical Coordinator

- Justin Falcon - MHS, P. A. (ASCP)

Clinical instructors

- Michelle Costas - MHS, P.A.(ASCP)
- Carie Coffindaffer - MHS, P.A. (ASCP)

Pharmaceutical and Pharmacological Sciences

rmatsumoto@hsc.wvu.edu

Degrees Offered

- Master of Science
- Doctor of Philosophy
- Joint Doctor of Medicine and Doctor of Philosophy

Research interests are complementary to a focus on drug discovery and development. Key areas of research interest and expertise are in:

Drug discovery science: In silico drug design; medicinal chemistry

Drug metabolism: Pharmacokinetics; pharmacogenomics; enzyme structure-activity relationships; toxicology mechanisms; bioanalytical chemistry

Drug delivery: Formulation; drug transport mechanisms; nanopharmaceutics; polymer-based drug delivery

Molecular therapeutics: Drug target identification and validation; nucleic acid-based therapeutics; protein-based therapeutics; phosphodiesterase inhibitors

Pharmacology: Neuropharmacology; cardiovascular pharmacology; pulmonary pharmacology

Toxicology: Drug-induced adverse effects; free radical toxicology and carcinogenesis; pulmonary toxicology; drug interactions; nanotoxicology

Translational research: Pre-clinical and clinical testing; cancer nanotechnology; pharmaceutical technology and processes

The Computational Chemistry Molecular Modeling (CCMM) Laboratory is a focal point for drug discovery at WVU.

Faculty

Graduate Program Director

- Dr. Rae Matsumoto

Division of Physical Therapy

Degree Offered

- Doctor of Physical Therapy (D.P.T.)

Nature of Program

The WVU Division of Physical Therapy was established in 1970 under the auspices of the School of Medicine to help meet the need for physical therapists in West Virginia. The program became an entry-level doctoral degree program in Fall 2005. The program is accredited by the Commission on Accreditation in Physical Therapy Education, a specialized body recognized by the Council on Postsecondary Accreditation. The most recent accreditation was awarded in November, 2011 for ten years. Forty full-time students are admitted each year. Preference is given to West Virginia residents and non-residents who have attended a West Virginia college or university or who have ties to West Virginia. All other non-residents who meet program requirements will also be considered for admission.

Students admitted into the program complete three years of combined classroom, laboratory, and clinical education, and part-time and full-time supervised clinical practice in various clinics in West Virginia and other states. A doctor of physical therapy (D.P.T.) degree is awarded to those completing the program, and entitles the graduate to apply for examination for state licensure. A license to practice physical therapy is required by all states.

The Profession of Physical Therapy

Physical therapy is a hands-on health care profession that promotes optimal health and function through the application of scientific principles to prevent, identify, assess, correct, or alleviate acute or prolonged movement dysfunction. The goal of physical therapy is to help individuals reach their maximum potential and to contribute to society while learning to live within the limits of their capabilities.

Demand for physical therapy services is expected to continue over the next ten years. The demand for physical therapists in all practice settings is affected by such factors as an aging population and increased emphasis on a healthy, active lifestyle. The professional organization represents therapists on health care issues and is working hard to assure that physical therapy will continue to be a favorable career choice.

Physical therapists are respected members of the health care team. They work with other health care providers such as physicians, occupational therapists, rehabilitation nurses, psychologists, social workers, dentists, podiatrists, and speech pathologists and audiologists. Physical therapists work in hospitals, private physical therapy offices, community health centers, corporate or industrial health centers, sports facilities, research institutions, rehabilitation centers, nursing homes, home health agencies, schools, pediatric centers, and colleges and universities.

Some physical therapists work as employees in these settings, while others are self-employed as owners or partners in private practices. Settings, employment arrangements, career responsibilities, and career opportunities depend on the interests and skills of each practitioner.

The Admissions Process

Courses recommended for high school students in preparation for the preparatory and professional physical therapy program include, but are not limited to, biological sciences (e.g. anatomy, advanced biology, physiology, etc.), chemistry, algebra/trigonometry and/or pre-calculus, physics, and social sciences. Computer literacy is highly recommended.

Because individualized instruction in laboratories and clinics is an essential component of the professional physical therapy program, enrollment must be limited. The physical therapy program selects 40 students per year for entrance into the professional phase of the program. All students who wish to enter the program must apply for admission, must have a bachelor's degree, and have completed or be enrolled in the pre-requisite coursework detailed below. These courses are available at most colleges.

The following requirements must be met to apply to the WVU Division of Physical Therapy:

- Applicant must have a minimum **cumulative GPA of 3.0**. Applicant must have a minimum **prerequisite science GPA of 3.0** which includes two general biology courses, two chemistry courses, two physics courses, statistics, anatomy, and human physiology.
- Applicants must have a minimum of **60 hours of clinical volunteer** or work experience obtained from two different physical therapy settings. Though these hours may be obtained during high school and college, some volunteer hours obtained during the junior or senior college years is strongly recommended.
- Applicants must submit **three letters of recommendation**. Two letters must be from physical therapists with whom the student has worked or volunteered. These letters must be from licensed physical therapists; the Admissions Committee will not consider letters from non-physical therapists or relatives. The third letter must be from a professor in their undergraduate major.

The form for the letters of recommendation is available with the electronic application.

- Applicant must take the Graduate Record Examination (GRE). No minimum score is required. Please note the **Institution Code** for reporting is **7639**, which is different from the code used for other programs at WVU. Using this code will result in your official scores being sent to PTCAS, who will verify your scores and send them to WVUPT.
- Applicant must have a **minimum grade of C** in each pre-requisite course.
- Applicant must have completed or be enrolled in the required courses listed below:

Pre-requisite Courses	WVU Course Number
Biology with lab (8 hours)	BIOL 101/103, 102/104
Chemistry with lab (8 hours)	CHEM 115, 116
Physics with lab (8 hours)	PHYS 101, 102
General psychology (3 hours)	PSYC 101
Developmental psychology (3 hours), should include development across the human lifespan	PSYC 241
Introductory statistics (3 hours), must include descriptive and inferential statistics	STAT 211 or ECON 225
Human anatomy (3 hours)*	ATTR 219 (recommended) or NBAN 205
Human physiology (3 hours)**	PSIO 241 or PSIO 441

- * The anatomy courses included the DPT curriculum are extremely rigorous. Students should seek out the highest level anatomy course(s) available. The minimum prerequisite is a three-credit-hour course in human anatomy, ideally with a laboratory. A two-semester, eight-credit sequence of combined human anatomy and physiology may be accepted; however, comparative and animal anatomy does not count towards this pre-requisite.
- ** Human physiology course with laboratory is preferred. A two-semester, eight-credit sequence of combined human anatomy and physiology may be accepted; however, animal or biology will not count towards this pre-requisite.

It is recommended that prerequisite courses in human anatomy and human physiology be completed within two years prior to admission.

WVU maintains an online Course Equivalency System (CES) (<http://tes.sa.wvu.edu/>) that lists course equivalencies at many institutions in the state/region.

Applicants who complete any of their prerequisites outside of WVU should check the CES to see if each prerequisite course transfers directly to WVU as the required WVU course. If your undergraduate institution is not listed in the CES, or if you have taken prerequisite courses that transfer in as open credit or not equivalent, you must submit a photocopy of the catalog description of the courses in question. Upon receiving your application, the Admissions Committee may request that you submit a copy of the course syllabus for further review.

Baccalaureate Preparation

Applicants must have earned a baccalaureate degree, or plan on completing a baccalaureate degree by May of the year of entering the program. Students may apply with a number of different baccalaureate degrees; however, they must complete the pre-requisites for the physical therapy program as described no later than the Spring semester of the year of application.

Students who want careers in health care may find that physical therapy fulfills their goals. A recommended baccalaureate preparation is in the field of exercise physiology. At WVU, exercise physiology majors will be able to obtain all of the pre-requisites listed above during their course of study. Another common baccalaureate major may be biology. As discussed above, these are merely suggestions and students can apply from any institution of higher education with any degree background, as long as they meet the aforementioned pre-requisites.

Additional Information and Updates

For updates, be sure to periodically check the WVU Division of Physical Therapy website <http://www.hsc.wvu.edu/som/pt>. You may also contact the program manager for the physical therapy program, Brenda Wolfe, at bwolfe@hsc.wvu.edu.

Applications

The physical therapy program participates in the national electronic physical therapy standard application system, known as PTCAS (Physical Therapist Centralized Application Service). The website for PTCAS is <http://www.ptcas.org>. Typically, PTCAS opens for applications in mid-July. The deadline for first round applications is usually December 1st of the year before entry. A second round of applications will typically be reviewed prior to a January 15th deadline. Serious applicants are encouraged to meet the first round deadline. Applicants should receive initial communication regarding their application within 35 days of the deadline. Please check the program website frequently for any updates on deadlines or the admissions process. These are often adjusted on an annual basis.

Physical Therapy (PT)

Course information for the doctor of physical therapy degree can be found on the following website: <http://www.hsc.wvu.edu/som/pt>.

Physical Therapy Curriculum

Note: This is subject to change without notice.

PT 705	Intro to Evidence Based PT	2
PT 706	Advanced Clinical Anatomy	5
PT 711	Professional Roles 1	3
PT 713	Lifespan Functional Movement	2
PT 714	Clinical Sciences 1	4
PT 715	Evidence Based PT 1	2
PT 716	Kinesiologic Foundations	4
PT 718	Evaluation Procedures	3
PT 720	Clinical Education 1	1
PT 723	Developmental Life Tasks	3
PT 724	Exercise Foundations	3
PT 725	Evidence-Based Physcl Thrpy 2	3
PT 727	Neurobiologic Foundations	4
PT 728	Physical Therapy Procedures 1	4
PT 730	Clinical Education Symposium 1	1
PT 732	Physical Therapeutic Agents 1	2

PT 733	Cardiopulmonary PT	3
PT 734	Clinical Sciences 2	2
PT 738	Physical Therapy Procedures	3
PT 740	Clinical Education 2	1
PT 741	Professional Roles 2	4
PT 742	Physical Therapy Agents 2	2
PT 743	Geriatric Physical Therapy 1	2
PT 744	Clinical Sciences 3	2
PT 745	Evidence Based PT 3	2
PT 746	Orthopedic Physical Therapy 1	5
PT 754	Clinical Sciences 4	3
PT 755	Evidence Based PT 4	2
PT 756	Orthopedic Physical Therapy 2	3
PT 757	Neurologic Physical Therapy	3
PT 760	Clinical Education 3	8
PT 761	Professional Roles 3	3
PT 762	Health Care Issues in PT	2
PT 763	Pediatric Physical Therapy	3
PT 767	Neurologic Physical Therapy 2	2
PT 768	Prosthetics and Orthotics 1	3
PT 770	Clinical Education Symposium 3	2
PT 771	Survey of Niche PT Practice	2
PT 780	Clinical Education 4	8
PT 795	Independent Study	1-6
PT 797	Research	1-15
Total Hours		118-137

First Year

Fall	Hours	Spring	Hours	Summer	Hours
PT 705 (Pre-Fall) *	2	PT 724	3	PT 730	1
PT 706 (Pre-fall) *	5	PT 720	1	PT 732	2
PT 711	3	PT 723	3	PT 733	3
PT 713	2	PT 725	3	PT 734	2
PT 714	4	PT 727	4	PT 738	3
PT 715	2	PT 728	4	PT 742	2
PT 716	4				
PT 718	3				
	25		18		13

Second Year

Fall	Hours	Spring	Hours	Summer	Hours
PT 740	1	PT 754	3	PT 760	8
PT 741	4	PT 755	2		
PT 743	2	PT 756	3		
PT 744	2	PT 757	3		
PT 745	2	PT 797	2		
PT 746	5				
	16		13		8

Third Year

Fall	Hours	Spring	Hours
PT 797	2	PT 770	2
PT 761	3	PT 780	8
PT 762	2		
PT 763	3		
PT 767	2		
PT 768	3		

PT 771	2	
	17	10

Total credit hours: 120

Pre-First Year Summer

- * The professional curriculum begins in summer before first year. Students should plan for these courses to begin on or around June 1st.

Faculty

Chair

- MaryBeth Mandich - PT, PhD (WVU)
Neuroscience and Pediatric PT

Professors

- John J. Petronis - PT, MS (WVU)
Orthopedic Physical Therapy
Status: Assistant Chairperson
- Bill Stauber - PhD
Electrotherapy, Muscle Physiology
Status: Joint Appointment
- Anne Swisher - PT, PhD
Cardiopulmonary PT, Oncology
Status: Director of Faculty Scholarship and Development

Associate professors

- Duane Scott Davis - PT, PhD OCS (WVU)
Orthopedic Physical Therapy
Status: Director of Professional Education
- Mia Erickson - PT, EdD, CHT, ATL (WVU)
Education, Professional Roles, Hand Therapy
Status: Co-Director of Clinical Education
- Dina Jones - PT, PhD
Public Health, Arthritic disease
Status: Joint Appointment
- Corrie Mancinelli - PT, PhD (WVU)
Anatomy and Orthopedic Physical Therapy
- Ralph Utzman - PT, MPH (WVU)
Health Policy, Professional Roles
Status: Co-Director of Clinical Education

Assistant professors

- Kimeran Evans - DPT
Clinical Education; General Physical Therapy Practice
- Valeriya Gritsenko - PhD
Neurosciences, Motor Control
- Teresa Rice - PR NCS (WVU)
Neurorehabilitation
- Krystal Thomas-Whetsel - DPT, MS (WVU)
Women's Health Physical Therapy
- Carol Waggy - PT, PhD (WVU)
Anatomy and Hand Physical Therapy

School of Nursing

Degrees Offered

- Bachelor of Science in Nursing
- Master of Science in Nursing
- Doctor of Nursing Practice
- Doctor of Philosophy in Nursing

Introduction

The mission of the WVU School of Nursing is to lead in improving health in West Virginia and the broader society through excellence in student-centered educational programs, research and scholarship, the compassionate practice of nursing, and service to the public and the profession. This mission is responsive to changing health care needs and emerging national and state changes in technology and health care delivery, and is enhanced by a supportive and open environment. The faculty's educational effort is directed at providing high quality student-centered programs of instruction at all levels which prepare superb professional nurses to meet basic health care needs; advanced practice nurses to address complex health needs; and doctorally educated nurses to advance nursing knowledge through research, to assist in the formulation of policies to improve health care, and to serve as faculty in higher degree programs. Unique characteristics of the state mandate that the health care needs of rural populations and vulnerable groups be a major focus of education, research, and service, including faculty practice.

The School of Nursing offers undergraduate, graduate, and post-master's programs of study. The baccalaureate program (BSN) is available for high school graduates who aspire to a career in nursing (basic students) and to registered nurses (RN) who are licensed graduates of associate degree or diploma nursing programs seeking to continue their career development. In addition, a BS/BA to BSN programs are available for the college graduate seeking a BSN.

The master of science in nursing (MSN) prepares graduates for advanced practice roles in rural primary health care. These roles include family nurse practitioner, pediatric nurse practitioner, neonatal nurse practitioner, geriatric nurse practitioner, women's health nurse practitioner, and nursing leadership.

Post-graduate nurse practitioner certification programs in these role specialties are available for those who already had an MSN. The RN to MSN program also has these role specialties available.

The doctor of nursing practice (DNP) prepares advanced practice nurses who will practice at the highest level of professional nursing and will advance the application of nursing knowledge for the purpose of improving health care for diverse populations.

The doctor of philosophy in nursing (PhD) prepares nurse scholars/educators for roles in teaching, service, and research in nursing. The program prepares graduates who will continue unique nursing experience to the collaborative development of knowledge to improve health and quality of life.

Accreditation

Initial accreditation was received with graduation of the first class in 1964. The baccalaureate program in nursing is fully accredited by the Commission on Collegiate Nursing Education, a national accrediting agency.

Fees, Expenses, Housing, Transportation, and Immunization

Students enrolling at the Morgantown campus pay fees which are detailed at http://adm.wvu.edu/home/cost_of_attendance. Special fees and deposits are also required. Students enrolling at other sites pay the fees shown in the catalog for that site. Fees are subject to change without notice. Students' expenses vary according to the course of study and individual needs. Information concerning financial assistance, application forms, and the Free Application for Federal Student Aid (FAFSA) form may be obtained from the financial aid website <http://www.hsc.wvu.edu/fin/> or by contacting the HSC Financial Aid Office, PO Box 6004, Morgantown, WV 26506-6004; telephone (304) 293-5242 (toll free) 1-800-344-WVU1.

The University Housing and Residence Life Office, telephone (304) 293-4419, provides information concerning University-owned housing. The Student Life Office in E. Moore Hall, telephone (304) 293-5611, provides information concerning privately owned, off-campus housing.

Students are expected to provide their own transportation, equipment, and instruments for the clinical courses. Some clinical experiences require travel in a multi-county area.

Proof of specific immunizations is required for all health sciences students. Students in the master of science in nursing program must undergo a criminal background check prior to clinical courses. Felony convictions and serious misdemeanors may preclude participation in the clinical courses. This could, in turn, prevent the completion of course requirements and completion of the nursing program.

Scholarships

The School of Nursing offers several scholarships. These scholarships are administered by the Health Science Center Financial Aid Office and require completion of the Free Application for Federal Student Aid (FAFSA) form in order to be considered for financial aid. Most School of Nursing scholarships are available only to students already admitted to the School of Nursing and are awarded each April for the following academic year. However there are a limited number of scholarships for which students may apply before admission. Further information is provided on the School of Nursing website. <http://www.hsc.wvu.edu/son/jobOpportunities.aspx#scholarshipOpportunities>

Additional Information

Visit the School of Nursing website at <http://www.hsc.wvu.edu/son>. Call the WVU school of Nursing Office of Student Services at 1-866-WVUNURS or (304) 293-1386. Write to WVU School of Nursing at:

PO Box 9600, Morgantown, WV 26506-9600

Faculty

Dean

- Georgia L. Narsavage - PhD (U. of PA)
Professor

Associate Dean for Research and PhD Program

- Deborah Shelton - PhD (U. VA)
Endowed Professor

Associate Dean for Graduate Practice Programs

- Cynthia Armstrong Persily - PhD (U. of PA)
Professor, Chair-Charleston Department

Associate Dean for Undergraduate Academic Affairs

- Elisabeth Shelton - PhD (Widener U.)
Associate Professor

Assistant Dean for Student and Alumni Affairs

- Misti Michael - MBA (Wheeling Jesuit U.)

Chair-Morgantown Department

- Roger Carpenter - PhD (WVU)
Clinical Assistant Professor

Associate Dean for Graduate Academic Affairs

- Mary Jane Smith - PHD (N.Y.U.)
Professor

Professors

- Laurie Badzek - MS (WVU)
- Nan Leslie - PHD (U. Pitt.)
- Susan H. McCrone - PHD (U. of Utah)

Associate Professor

- K. Joy Buck - PHD (U. Va)
- Pamela Deiriggi - PHD (U. of Tx.)
Coordinator PNP Track
- Barbara Kupchak - PHD (U. of Tx.)
- Susan New#eld - PHD (U. of Tx.)
- Catherine V. Nolan - EDD (WVU)
Director - Evaluation
- Kari Sand-Jecklin - EDD (WVU)

Assistant Professor

- Dottie Oakes - MSN (Duke U.)
Director - Clinical Services
- Taura Barr - PhD (U. Pitt.)
- Susan Coyle - PHD (WVU)
- Stacey Culp - PHD (U of Mich.)
Research
- Patty Hermosilla - MSN (WVU)
- Dorothy M. Johnson - EDD (WVU)
- Susan Pinto - MSN (WVU)
- Heidi Putman-Casdorph - PHD (Widener U.)
- Aletha Rowlands - PhD (U. of VA)
- Laurie Theeke - PHD (WVU)
- Gail O'Malley Van Voorhis - MSN (WVU)
Director - LRC

Clinical Assistant Professor

- Emily Brinker Barnes - DNP (WVU)
- Sandra Cotton - MS (U. of Md.)
Director - Faculty Practice
- Daniel J. DeFeo - MSN (WVU)
- Gina Maiocco - PHD (U. of Utah)
- Jennifer A. Mallow - MSN (WVU)
- Elizabeth A. Minchau - MSN (U of Pitt.)
- Judith Polak - MSN (U. of Fla.)
Coordinator NNP Track
- Amy Sparks - MSN (WVU)
- Martha Summers - MSN (WVU)

Senior Lecturer

- Lori Constantine - MSN (WVU)
- Dana Friend - MPH (WVU)
- Kathy Linkous - MSN (Bellarmine Coll.)
- Patricia Joyce Maramba - DNP (WVU)
- Danielle McGinnis - MSN (WVU)
- Joanne E. Watson - MSN (U. of Va.)
- Diana L. McCarty - MSN (WVU)

Lecturers

- Debbie Bellisario - BSN (WVU)
- Jenna Elder - MSN (WVU)
- Kelly Jenkins - DNP (Duquesne U.)
- Rebecca Kromar - ND (Case Western)
- Amanda MaChesky - MSN (Walden U.)
- Terri L. Marcischak - MSN (WVU)
- Evelyn Martin - MSN (Marshall U.)
- Amy Miner - MSN (Waynesburg U.)
- Christine Mott - MSN (WVU)
- Tonya Payerchin - MSN (Waynesburg U.)
- Trisha Petite - MSN (WVU)
- Teresa D. Ritchie - MSN (WVU)
- April Shay - BSN (WVU)
- Natalie Sypolt
- Kara Terhune - MSN (Wilkes U.)

- Sharon Thralls - MSN (Waynesburg U.)
- Kimberly Wallace - BSN (WVU)
- Ashley Wilson - MSN (WVU)

Clinical Instructor

- Kendra Barker
- Billie Murray - MSN (WVU)
- Dennelle Parker - MSN (WVU)
- Angel Smothers - MSN (WVU)
- Barbara Summers - MSN (Marshall U.)

Visiting Clinical Assistant Professor

- Carolyn Donovan - MSN (WVU)
- Lisa Hardman - DNP (Rush U.)

Charleston Division - Associate Professor

- Ilana Chertok - PHD (Ben-Gurion U. of the Negev.)
- Barbara Nunley - PHD (U. of Ky.)
- Alvita Nathaniel - PHD (WVU)
Coordinator FNP Track
- Marilyn Smith - PHD (U. of Tenn.)

Charleston Division - Clinical Assistant Professor

- Robert David Lane - DNP (U. of Tenn.)
- Sheila Stephens - DNP (U. of Ky.)

Charleston Division - Lecturer

- Nancy Atkins - MSN (Bellarmine Coll.)
- Kristina Childers - MSN (Marshall U.)
- Jarena Kelly - MSN (WVU)
- Barbara Koster - MSN (WVU)
- Crystal Sheaves - MSN (WVU)

Coordinator - GSC/WVU Joint Nursing Program

- Alison Witte - MS (U. of South Africa)
Glennville State College, Assistant Professor

WVU Tech Division - Assistant Professor

- Peggy Fink - MSN (WVU)
- Evelyn Klocke - EDD (Marshall U.)
Chair-Department of Nursing,
- Melanie Whelan - MSN (WVU)

WVU Tech Division - Senior Lecturer

- Barbara Douglas - MSN (Wright St. U.)
- Mindy Harris - MSN (Marshall U.)
- Robin Spencer - MSN (Marshall U.)

WVU Tech Division - Lecturer

- Debra Bostic - MSN (WVU)
- Kelli Kirk - MSN (Mountain St. U.)
- James Messer - MSN (U. of Phoenix)
- Amy Shaw - MSN (Marshall U.)
- Melinda Stoecklin - MSN (Marshall U.)

Adjunct Professor

- Joy Henson Penticuff - PHD (Case Western Reserve)
- Gretchin Spreitzer - PhD

Adjunct Assistant Professor

- Diana Boyle - MSN (WVU)
- Malene Davis - MSN (WVU)
- Elizabeth Durant
- Patricia Johnston - EDD (WVU)
- Judith D. Klingensmith - MSN (U. of Pitt.)
- June Lunney - PhD (U. of MD)
Research
- Charlotte Nath - EDD (WVU)
- Janet Stout - MSN (Syracuse U.)
- Bonnie Wakefield - PhD

Adjunct Clinical Instructor

- Nancy K. Bradshaw - MS (Marshall U.)
- Bonnie B. Coradetti - MPH (WVU)
- Donna J. Dorinzi - MSN (WVU)
- Shirley Zinn Gainer - BSN (WVU)
- Kevin Lewis - MSN (WVU)
Research
- Neil R. McLaughlin - MED (Penn. St.)
- Barbara M. Mulich - MSN (WVU)
- Renee Schwertfeger
- Virginia M. Selanik - MSN (Marshall U.)
- Linda L. Singer - BSN (Ohio U.)
- Pamela Smith
Research

Adjunct Instructor

- Aila Accad - MSN (WVU)
- Melanie Harper Allen - MSN (Marshall U.)
- Katherine A. Atassi - MSN (Marshall U.)
- Jacquelyn P. Bauer - MSN (WVU)
- Maribeth Beckner - MSN (WVU)
- Charlotte Bennett - MSN (WVU)
- Eleanor K. Berg - MSN (WVU)
- Murrita C. Bolinger - (U. of Va.)
- Lucinda M. Brown - MSN (U. of Ky.)
- Karen Campbell - MSN (Vanderbilt U.)
- Lena Antimonova Cerbone - MSN (Yale SoN)
- Susan Collins - MSN (Duke U.)
- Jill Cochran - MSN (WVU)
- Pamela S. Courtney - MSN (WVU)
- Erin Craffey
- Peggy L. Cramer - MSN (Marshall U.)
- Brenda Daugherty - MSN (WVU)
- Toni Dichiaccio
- Karen L. Fahey - MSN (WVU)
- Deborah Falconi
- Mary Friel Fanning - MSN (WVU)

- Jann E. Foley - MSN (Case Western Reserve)
- Nancy I. Greenstreet - MSN (WVU)
- Hilda Heady - MSN (WVU)
- Patricia Horstman - MSN (WVU)
- Elizabeth Hupp - MSN (WVU)
- Jodie Jackson - MPH (Johns Hopkins U.)
- Cheryl Jones - MSN (WVU)
- Linda Joyce Justice - MSN (WVU)
- Ruth Kershner - EDD WVU
- Barbara J. Koster - MSN (WVU)
- Diane Ladd
- Roberta McKee - MSN (WVU)
- Julia Z. Miller - MSN (WVU)
- Diane Morris - MSN (WVU)
- Lynne Durback Morris - MBA (WV Grad. Coll.)
- Kathleen Murphy - MSN (U. of Phoenix)
- Barbara Jean Nightengale - MSN (WVU)
- Sally Olynyk
- Mary Phillips - MSN (WVU)
- Denice Reese - MSN (Case Western Reserve)
- Samantha Richards
- Susan Ritchie - MPH (UNC)
- Bonita Roche - MSN (WVU)
- Sherry L. Rockwell - MSN (U. of Pitt.)
- Dawn M. Scheick - MN (U. of Pitt.)
- Elizabeth Schramm
- Robin W. Shepherd - MSN (Wesley Coll.)
- Cynthia A. Smith - MSN (WVU)
- Kathy Talley
- Leslie Toppins
- Blitz E. Turner - MSN (WVU)
- Suzy Walter - MSN (WVU)
- Mary Lynne Withrow
- Jerry H. Yoho - MSN (WVU)

Dean Emeritus

- Lorita Jenab - EDD (Columbia U.)

Professor Emeritus

- June Larrabee - PHD (U. of Tenn.)
- E. Jane Martin - PHD (U. Pitt.)
- Gaynelle McKinney - MSN ED (Ind. U.)

Associate Professor Emeritus

- Peggy Burkhardt - PHD (U. of Tx.)
Charleston Division
- Imogene P. Foster - EDD (WVU)
- Debra Harr - EDD (WVU)
- Jean Hoff - MPH (U of Pitt.)
- Nancy A. Koontz - MSN (U. of Md.)
- Lois O'Kelley - MSN (Wayne St. U.)
- C. Lynn Ostrow - EDD (WVU)
- Jacqueline Riley - MN (U. of Fla)

- Jane A. Shrewsbury - MN ED (U. of Pitt.)
- Patricia Simoni - EDD (WVU)
- Jacqueline Stemple - EDD (WVU)
- Fredona Stenger - MSN (Boston U.)

Assistant Professor Emeritus

- Ann Cleveland - EDD (WVU)
- Suzanne Gross - PHD (U of Tx.)
- Kathleen Marsland - MS (U. Colo.)

Bachelor of Nursing

Nature of Program

The School of Nursing undergraduate program in nursing is recognized by health care agencies as providing excellent preparation for the nursing profession. Our graduates are in great demand and enjoy a large number of career opportunities. The BSN curriculum includes courses in the humanities, social sciences, basic sciences, and nursing science. The clinical component of nursing courses enables students to apply their learning to actual client, family, and community situations that warrant nursing intervention. The curriculum has been carefully designed to equip graduates to begin professional nursing practice with patients of all ages in any health care setting where there is a position for the professional nurse at the start of his or her career. The program also provides an excellent foundation for graduate study in nursing and in other fields.

The baccalaureate program (BSN) is available for high school graduates who aspire to a career in nursing (basic students). It is also available to registered nurses (RNs) who are licensed graduates of associate degree or diploma nursing programs seeking to continue their career development, and to individuals with college degrees in other fields who wish to attain the bachelor of science in nursing. The basic BSN program can be completed in four years at WVU's Morgantown campus or at WVU Institute of Technology. Programs at Potomac State College and Glenville State College allow students to complete pre-nursing requirements at those institutions.

Registered nurses can complete the BSN requirements online through a completely web-based program. Advising for the program can occur at WVU in Morgantown, at the Charleston division, or at WVU Institute of Technology. Nursing courses for R.N. students are scheduled to provide opportunity for completion of degree requirements in three semesters if non-nursing courses are already completed. Credit may be earned by enrollment and by challenge through advanced placement and portfolio exams.

A BS/BA to BSN accelerated program is available for the college graduate with a degree in a field other than nursing. Following 18 months of continuous enrollment, students attain the BSN degree and are eligible to take the RN licensing examination. The BS/BA to BSN program is offered at WVU in Morgantown.

Further information about the BSN program or the MSN, DNP, and PhD graduate programs in nursing may be obtained from the School of Nursing website at <http://www.hsc.wvu.edu/son> or by contacting the WVU School of Nursing Office of Student Services, 6400 Health Sciences South, P.O. Box 9600, Morgantown, WV 26506-9600; telephone (304) 293-1386 or (toll free) 1-866-WVUNURS.

Accreditation

Initial accreditation was received with graduation of the first class in 1964. The baccalaureate program in nursing is fully accredited by the Commission on Collegiate Nursing Education, a national accrediting agency.

Fees, Expenses, Housing, Transportation, and Immunization

Students enrolling at the Morgantown campus pay fees which are detailed at http://adm.wvu.edu/home/cost_of_attendance. Special fees and deposits are also required. Students enrolling at other sites pay the fees shown in the catalog for that site. Fees are subject to change without notice. Students' expenses vary according to the course of the study and individual needs. Information concerning financial assistance, application forms, and the Free Application for Federal Student Aid (FAFSA) form may be obtained from the financial aid website <http://www.hsc.wvu.edu/fin/> or by contacting the HSC Financial Aid Office PO Box 6004, Morgantown, WV 26506-6004; telephone (304)293-5242 or (toll free) 1-866-WVUNURS.

University Housing and Residence Life Office, telephone (304)293-4419, provides information concerning University-owned housing. The Student Life Office in E. Moore Hall, telephone (304) 293-5611, provides information concerning privately owned, off-campus housing.

Students are expected to provide their own transportation, equipment, and instruments for the clinical courses. Some clinical experiences require travel in a multi-county area.

Proof of specific immunizations are required for all health sciences students.

Criminal Background Checks

Students are required by clinical agencies to undergo a criminal background check prior to clinical experiences. Felony convictions and some serious misdemeanors may preclude participation in clinical rotations. This could, in turn, prevent the completion of clinical course requirements and completion of the nursing program.

Curriculum details are also available on the School of Nursing webpage <http://www.hsc.wvu.edu/son/>.

Curriculum Requirements

Direct Admission to Basic Program

Applicants are eligible to enter the BSN program as freshmen. Admission is based on a combination of high school grade point average and composite ACT or total SAT scores in a single testing session. Students admitted to the nursing major as freshmen have a total of four semesters to complete the required freshman coursework.

High school students eligible for admission to the University are admitted directly into nursing if they meet the following criteria:

- GPA of 3.8 or higher with composite ACT 25 or SAT combined Critical Reading and Math 1140
- GPA 3.6-3.79 with composite ACT 26 or SAT combined Critical Reading and Math 1180
- GPA 3.5-3.59 with composite ACT 28 or SAT combined Critical Reading and Math 1260

In addition, students must have completed the following high school credits required by the University.

units (years)

- 4 in English (including courses in grammar, composition, and literature)
- 3 in Social studies (including US History)
- 3 in College preparatory mathematics (algebra I, algebra II, and plane geometry)
- 2 in Laboratory science (biology, chemistry, physics, or other courses with a strong laboratory science orientation)

Admission to Basic Program as Pre-Nursing or other College Major

If a student does not meet the nursing admission criteria to be directly admitted to the BSN program as a freshman, the student can apply for admission to the BSN program as a sophomore after completion of at least one semester of college coursework with a minimum cumulative GPA of 3.0.

To be admitted to the University as a pre-nursing major, high school students must meet the following criteria:

- GPA 3.2 or higher with composite ACT 21 or SAT combined Critical Reading and Math 990
- GPA 3.0-3.19 with composite ACT 23 or SAT combined Critical Reading and Math 1070

Pre-nursing applicants are admitted to the School of Nursing as sophomores for either the Fall or Spring semesters. A completed application, including transcripts, for the basic BSN program must be made by January 15 of the year the candidate wishes to be admitted for the Fall semester and by May 15 to be admitted for the following Spring semester. Acceptance and placement in the program are dependent upon space available in the program. There are limited spaces available and the best-qualified applicants are accepted. Application forms are distributed after December 1 by the Health Sciences Center Office of Admissions, or are available online from the admissions website. Qualified applicants will be invited for an interview as part of the admissions process.

Note: Admission criteria are subject to change. Please see the School of Nursing website for the most up-to-date criteria at: <http://www.hsc.wvu.edu/son/>.

First-Year Basic Student Curriculum

All basic students admitted to the school complete a common curriculum in the freshman year designed to provide the foundation for success in subsequent nursing courses. The curriculum for the basic BSN program is currently in the process of revision. Please see the School of Nursing website for details on the updated curriculum at <http://www.hsc.wvu.edu/son/>.

Students admitted to the School of Nursing as sophomores must have completed the freshman-year courses prior to beginning the sophomore year. All freshman-year courses must be completed with a grade of C or better, and the student must have a cumulative GPA of 3.0 or higher in required pre-requisite courses, and an overall GPA of 3.0 or higher in all college level work.

Academic Standards and Graduation Requirements

To be in good academic standing, students must:

- Maintain a cumulative grade point average of 3.0 or better in all college work attempted.
- Pass all nursing courses and pre- or co-requisite non-nursing courses with a grade of C or better.

A student who receives a grade of D, F, or W in a required nursing course or pre- or co-requisite non-nursing course may repeat that course once and must earn a grade of C or better when the course is repeated. Students who repeat a nursing course or a pre- or co-requisite non-nursing course and earn a grade of D, F, or W will be dismissed from the school. A student may repeat only one nursing course. Students who do not maintain a cumulative GPA of 3.0 or better will be placed on probation for one semester. Students on probation who do not raise their cumulative GPA to 3.0 or better after one semester will be dismissed from the School of Nursing. Nursing courses and pre- and co-requisite courses in which students earn a grade of D, F, or W must be repeated prior to the student's progression to the next course(s) in the nursing sequence. Nursing courses must be repeated in the next fall or spring semester that the course is offered. Any general education course that is not a pre- or co-requisite of nursing courses and in which a grade of D or F has been earned must be repeated prior to graduation if it is to be counted toward graduation requirements. The baccalaureate of science in nursing degree is conferred upon completion of 128 hours and all required courses.

Transfer Students

Students with nursing credit from a nationally accredited nursing program in an accredited college or university are eligible for consideration for transfer admission by presenting a record of courses comparable to those required in this curriculum and meeting other School of Nursing admission requirements. These students must provide a statement of good standing from the nursing program in which they are currently enrolled. Acceptance and placement in the program are dependent on the individual's academic record and the number of spaces available. Transfer students must have a cumulative GPA of 3.0 for previous college coursework, and must have earned at least a C in all nursing and pre- and co-requisite non-nursing courses, with no grade below a C in nursing courses. Only courses that are comparable to required courses in the BSN curriculum will be transferable. Nursing credits from a program that is not nationally accredited are not transferable. Transfer students are required to complete a transfer student orientation.

BS/BA to BSN Admission

Applicants for the BS/BA to BSN program must have a baccalaureate degree from an accredited college or university with an overall grade point average of at least 3.0 on a 4.0 scale, and a cumulative GPA of 3.0 or better in prerequisite courses.

The following prerequisite courses must be completed with a grade of C or better prior to enrollment:

English Composition	6
Chemistry	3-4
Biology	3-4
Human Anatomy	3-4
Human Physiology	3-4
Microbiology	3-4
Statistics	3
Introductory Psychology	3
Introductory Sociology	3
Developmental Psychology Across the Lifespan	3
Human Nutrition	3
College Algebra	3

Note: Admission criteria are subject to change. Please see the School of Nursing website for the most up-to-date criteria at: <http://www.hsc.wvu.edu/son/>.

Application to the BS/BA to BSN program must be made by September 1 for admission to the program the following January. Acceptance and placement in the program are dependent upon space available in the program. There are limited spaces available and the best-qualified applicants are accepted. Application forms are distributed after June 1 by the Health Sciences Center Office of Admissions, or are available online from the admissions website. Qualified applicants will be invited for an interview as part of the admissions process. Students in the BS/BA to BSN program must meet the same academic standards and graduation requirements as basic BSN students.

The BS/BA to BSN Curriculum

The curriculum for the BS/BA to BSN program is currently in the process of revision. Please see the School of Nursing website for details on the updated curriculum at <http://www.hsc.wvu.edu/son/>.

Admission for RN to BSN Program

Registered nurses are admitted directly to the School of Nursing. Acceptance and placement in the program are dependent upon the individual's academic record and upon the number of spaces available. An unrestricted license to practice nursing and a grade point average of 2.5 or better on all college work attempted are required to be eligible for consideration.

All registered nurses will receive 50 credit hours of undifferentiated nursing credit based on licensure. Proof of licensure must be received by the School of Nursing to receive these credit hours. All RN to BSN students will be required to meet WVU's General Education Curriculum (GEC). If a student already holds a bachelor's degree in another discipline, a course in statistics (if not already taken), will be the only course required to fulfill the GEC requirements. Advisors will work with students to identify courses already appearing on the transcript that meet GEC requirements, and then develop a plan to fulfill any remaining requirements.

Note: Admission criteria are subject to change. Please see the School of Nursing website for the most up-to-date criteria at: <http://www.hsc.wvu.edu/son/>.

RN to BSN Curriculum

The curriculum for the RN to BSN program is currently in the process of revision. Please see the School of Nursing website for details on the updated curriculum at <http://www.hsc.wvu.edu/son/>. The RN to MSN

Suggested Plan of Study for Basic Nursing and Pre-Nursing Majors

First Year			
Fall	Hours	Spring	Hours
CHEM 111	4	CHEM 112	4
BIOL 102	3	NBAN 107	4
BIOL 104	1	ENGL 101	3
NSG 100	2	STAT 211	3
PSYC 101	3	Select one of the following:	3
Select one of the following:	3	SOCA 101	
MATH 126A		SOCA 105	
MATH 126B			
MATH 126C			
WVUE 191	1		
	17		17
Second Year			
Fall	Hours	Spring	Hours
PSYC 241	3	ENGL 102	3
NBAN 207	4	HN&F 171	3
MICB 200	3	NSG 293C or 212	6
NSG 293B or 211	6	NSG 293D or 276	3
	16		15
Third Year			
Fall	Hours	Spring	Hours
NSG course - Alterations in Adult Health 1	6	NSG course - Alterations in Adult Health 2	6
NSG course - Pharmacology	3	NSG course - Child and Adolescent Health	4
NSG course - Women's Health Across the Lifespan	4	NSG course - Ethics and Health Care Policy	3
GEC Objective	3	GEC Objective	3
	16		16
Fourth Year			
Fall	Hours	Spring	Hours
NSG course - Alterations in Mental Health	4	NSG course - Care of the Critically Ill Patient	4
NSG course - Nursing in Complex Community Systems	7	NSG course - Leadership in Complex System	7
Nursing Elective	2	NSG course - Preparation for Licensure	1
GEC Objective	3	GEC Objective	3
	16		15

Total credit hours: 128

Suggested Plan of Study for BS/BA to BSN

First Semester	
Spring	Hours
NSG 293B or 211	6

NSG 293C or 212	6		
NSG 293D or 276	3		
	15		
Second Semester			
		Summer	Hours
		NSG course - Alterations in Adult Health 1	6
		NSG course - Pharmacology	3
		NSG course - Women's Health Across the Lifespan	4
	13		
Third Semester			
			Fall
			Hours
			NSG course - Alterations in Adult Health 2
			6
			NSG course - Child and Adolescent Health
			4
			NSG course - Ethics and Health Care Policy
			3
	13		
Fourth Semester			
Spring			
		Hours	
NSG course - Alterations in Mental Health	4		
NSG course - Nursing in Complex Community Systems	7		
	11		
Fifth Semester			
		Summer	Hours
		NSG course - Care of the Critically Ill Patient	4
		NSG course - Leadership in Complex Systems	7
		NSG course - Preparation for Licensure	1
	12		
<hr/>			
Total credit hours: 64			

Doctor of Nursing Practice Online Program

Program Description

The School of Nursing offers a program of study leading to the doctor of nursing practice (DNP) degree. Courses are offered via Web-based modalities in real time. Courses are scheduled in the late afternoon at times convenient for working students and may require that students attend special sessions in Morgantown or Charleston. Dates of the special sessions are made available in advance so that students can plan their schedules in order to attend.

The DNP program offers a curriculum that allows students to enroll on a part-time basis. Graduate students are strongly recommended to limit their credit load if they are also involved in full-time work. Students employed in full-time work should enroll for no more than six hours of doctoral level coursework in any one term. Throughout the curriculum, students are guided in the processes of self-development aimed at pursuing excellence in scholarly and professional endeavors.

At the completion of the program, the Doctor of Nursing Practice (DNP) graduate will be able to practice at the highest professional level to:

- Use science-based theories and concepts to:
 - Determine the nature and significance of health and health care delivery phenomena
 - Describe actions and advance strategies to improve health care delivery
 - Develop, deliver, and evaluate theory-based health care.
- Demonstrate organizational and systems leadership that emphasizes the primacy of clinical work, continually improving health outcomes, and ensuring patient safety.
- Use analytical methods and research to develop best practices and practice guide lines and to facilitate the evaluation of systems of care that will improve patient outcomes.
- Use information systems and technology-based resources that support clinical and administrative decision making, care systems, nurse-sensitive outcomes, and quality improvement.
- Assume a leadership role in the development of health care policy.
- Establish, participate, and lead interprofessional teams.
- Utilize a strong conceptual foundation in clinical prevention and population health.

8. Base practice on biophysical, psychosocial, sociopolitical, cultural, economic, and nursing science and ethics.
9. Develop, implement, and evaluate practice and care delivery models, which are politically and culturally appropriate.

Admissions Criteria

1. Satisfy WVU requirements for admission to graduate study.
2. Have a cumulative grade-point average of 3.0 or higher on a 4.0 scale on the MSN degree.
3. Have a current, unrestricted R.N. license in at least one state.
4. Hold the degree of master of science in nursing from a school of nursing program accredited by CCNE or NLNAC.
5. Hold advanced practice certification in an area recognized for announcement of Advanced Practice by the WV Board of Examiners for Registered Professional Nurses.

Note: Admission criteria are subject to change. Please see the School of Nursing Web site for the most up-to-date criteria at: <http://www.hsc.wvu.edu/son/>.

Application Process

The application process should be completed by March 1. The beginning sequence of courses in the DNP program starts in the summer semester only. Applicants to the DNP program need to complete the following steps in order to be considered for admission:

Complete two application forms as indicated below and return to the appropriate offices by the deadline.

1. Application for Admission to Graduate Studies (available at: <http://apply.wvu.edu/>)
2. Supplemental Application for admission to DNP in the School of Nursing and DNP application checklist (available on the School of Nursing website at: <http://www.hsc.wvu.edu/son>) and to be submitted electronically*
3. Request an official transcript of records from each college or university attended. Transcripts and records should be sent directly to:

WVU Health Science Center
Office of Admissions
P.O. Box 9815
Morgantown, WV 26506-9815
4. 3 Letters of references should address the applicant's expertise in the advanced practice of nursing and likelihood for success in doctoral work. One letter should be from a former professor of the applicant.*
5. Submit a current curriculum vitae and evidence of national certification.*

For more information, visit the website at:

<http://www.hsc.wvu.edu/son>

or write to:

West Virginia University School of Nursing
P.O. Box 9600
Morgantown, WV 26506-9600
Phone (304) 293-1386

Note: Admission criteria are subject to change. Please see the School of Nursing website for the most up-to-date criteria at <http://www.hsc.wvu.edu/son/>.

Nursing Core Courses for Doctor of Nursing Practice

NSG course - Statistical Analysis	3
NSG course - Health Promotion of the Population	3
NSG course - DNP Role Analysis	3
NSG course - Evidence Based Practice	3
NSG course - Theory of Practice	3
NSG course - Health Care Informatics	3
NSG course - Focused Study	3
NSG course - Health Care Leadership	3
NSG course - Health Policy/Resource Management	3
NSG course - Clinical Project	3

NSG course - Clinical Immersion	4-6
NSG course - DNP Capstone	6
NSG course DNP Role Application	1
Total Hours	41-43

Doctor of Philosophy

The purpose of the Ph.D. program is to prepare nurse scholars/educators for roles in research, teaching, and service. The program prepares graduates who will contribute their unique nursing expertise to the collaborative development of knowledge to improve health and reduce health disparities..

The goals of the program are to prepare graduates who will:

1. Critically analyze phenomena using a variety of approaches to contribute to the development of nursing science.
2. Synthesize, reorganize, and expand knowledge from nursing and related disciplines to inform nursing science and practice.
3. Contribute to the development of the science of caring to improve quality of life.
4. Disseminate advances in scientific knowledge to diverse audiences.
5. Assume collaborative leadership roles in academia, healthcare organizations, research teams, and scholarly networks to promote and improve health.
6. Demonstrate integrity in the design, conduct, analysis, interpretation, and dissemination of research.

Admission Criteria

1. Cumulative GPA of 3.0 of four points in master's degree work.
2. Competitive achievement on the GRE.
If taken prior to August, 2011, a minimum score of 400 each on the verbal and quantitative, a total of the two sections of 1000, and an analytical writing score of 4.0.
If taken after August, 2011, a minimum score of 150 on the verbal section, 142 on the quantitative section, a total of the two sections of 300, and an analytical writing score of 4.0.
3. A grade of B or higher in graduate statistics and research courses.
4. Congruence between the applicant's career goals and program objectives; and between the applicant's research interests and those of the faculty.

Note: Admission criteria are subject to change. Please see the School of Nursing website for the most up-to-date criteria at: <http://www.hsc.wvu.edu/son>.

Application Process

The application process is on a rolling basis. The beginning sequence of courses in the Ph.D. in nursing program starts in the summer semester only. Class size and progression plans may be limited based on available faculty resources and space. Applicants to the Ph.D. in nursing program need to complete the following steps in order to be considered for admission:

1. Complete two application forms as indicated below and return to the appropriate offices by the deadline.
 - A. Application for Admission to Graduate Studies (available at: <http://apply.wvu.edu/>)
 - B. Supplemental Application for Admission to Ph.D. in the School of Nursing and Ph.D. application checklist (available at <http://hsc.wvu.edu/son>). Students should be certain that all materials are sent to:

WVU School of Nursing, Student Services Office
 P.O. Box 9600
 Morgantown, WV 26506-9600
2. Supplemental Application for Admission to Ph.D. in the School of Nursing and Ph.D. application checklist (available on the School of Nursing website at: <http://www.hsc.wvu.edu/son>). Students should be certain that all materials are sent to:

WVU School of Nursing Student Services
 Office P.O. Box 9600
 Morgantown, WV 26506-9600

Request an official transcript of records from each college or university attended. Transcripts and records should be sent directly to:
 WVU Health Science Center Office of Admissions
 P.O. Box 9815
 Morgantown, WV 26506-981

3. Send three letters of recommendation directly to:
WVU School of Nursing Student Services Office
P.O. Box 9600
Morgantown, WV 26506-9600
Letters should address the applicant's expertise in the advanced practice of nursing, skill in research and scholarly writing, and likelihood for success in doctoral work. One letter should be from a former professor of the applicant.
4. Submit a current curriculum vitae.
5. Submit two, two-page scholarly essays, one describing the applicant's research interests and one describing the applicant's career goals.

For more information, write to West Virginia University School of Nursing, P.O. Box 9600, Morgantown, WV 26506-9600; phone (304) 293-1386.

Master of Nursing

MSN Online Program

The School of Nursing offers a program of study leading to the master of science in nursing (M.S.N.) degree. The major areas of study available in advanced practice nursing are family nurse practitioner (FNP), pediatric nurse practitioner (PNP), neonatal nurse practitioner (NNP), women's health nurse practitioner (WHNP), and nursing leadership. The school also offers post-master's programs in these areas for those who already hold an M.S.N. The programs are offered at the University's main campus in Morgantown and at the Charleston Division. Courses are offered via Web-based modalities in real time. Courses are scheduled in the late afternoon at times convenient for working students and may require that students attend special sessions in Morgantown or Charleston. Dates of the special sessions are made available in advance so that students can plan their schedules in order to attend.

The master's program offers a curriculum that allows students to enroll on a part-time or full-time basis. Graduate students are strongly recommended to limit their credit load if they are also involved in full-time work. Students employed in full-time work should enroll for no more than six hours of master's-level coursework in any one term. Throughout the curriculum, students are guided in the process of self-development aimed at pursuing excellence in scholarly and professional endeavors. The program allows flexibility within the basic curricular structure through the individualization of learning experiences. The pattern and duration of the student's study plan is determined in consultation with a faculty advisor and is based upon the student's background and goals. The 44-credit program can be completed in five semesters (including a summer session) of full-time study. The average full-time load is nine to 12 credit hours per semester. Part-time options are also available.

Graduates meet all requirements to sit for the national certification examination in their major area of family nurse practitioner, pediatric nurse practitioner, neonatal nurse practitioner, women's health nurse practitioner, or nursing leadership. They are prepared to offer care at the advanced practice level to select populations, and are able to perform all activities encompassed in the traditional scope of practice.

Goals of the Master's Program:

1. Synthesize theories, research findings, and broad-based perspectives for application in the advanced practice of nursing.
2. Utilize systematic inquiry and refined analytical skills in the provision of health care services.
3. Create a relationship with clients that build and maintain a supportive and caring partnership.
4. Articulate viewpoints and positions in order to improve the quality of health care delivery and outcomes of successful care.
5. Consult and collaborate in interdisciplinary and interagency endeavors to advance culturally sensitive health care to clients, groups, and communities.
6. Integrate prior and current learning as a basis for growth and accountability in enacting the role of the advanced practice nurse.

Application Process

The application process should be completed by March 1. The beginning sequence of courses in the M.S.N. program starts in the fall semester only. Class size and progression plans may be limited based on available faculty resources and space. Applicants to the M.S.N. program need to complete the following steps in order to be considered for admission:

1. Complete two application forms as indicated below and return to the appropriate offices by the deadline.
2. Application for Admission to Graduate Studies (available at: <http://apply.wvu.edu/>).
3. Supplemental Application for Admission to Graduate Study in the School of Nursing (available on the School of Nursing website at: <http://www.hsc.wvu.edu/son>), submitted electronically*
4. Request an official transcript of records from each college or university attended. Transcripts and records should be sent directly to:

WVU Health Science Center Office of Admissions
 P.O. Box 9815
 Morgantown, WV 26506-9815

5. Submit three letters of recommendation electronically*
6. Request a copy of Graduate Record Exam or Miller Analogies Test scores be sent to:
 WVU Health Sciences Center Office of Admissions
 P.O. Box 9815
 Morgantown, WV 26506-9815

The parameters used for review of applicants include: Academic achievement, Graduate Record Exam or Miller Analogies Test scores, career goals, and recommendations.

For more information, visit the website at:

<http://www.hsc.wvu.edu/son>

or write to:

West Virginia University School of Nursing
 P.O. Box 9600
 Morgantown, WV 26506-9600
 Phone (304) 293-1386

Admission Criteria

1. Satisfy WVU requirements for admission to graduate study.
2. Have a cumulative GPA of 3.0 or higher on a 4.0 scale on all college work attempted.
3. If taken before August, 2011, a minimum score of 350 each on the verbal and quantitative, with a minimum total of the two sections of 800, and an analytical writing score of 3.0.
If taken after August, 2011, a minimum score of 143 on the verbal section, 138 on the quantitative section, a minimum total of the two sections of 286, and an analytical writing score of 3.0.
OR a minimum Miller Analogies Test score of 400.
4. Have a current, unrestricted R.N. license in at least one state.
5. Hold a bachelor of science degree in nursing from a school accredited by NLNAC or CCNE. A bachelor of science degree in nursing is mandatory.
6. Have completed three credits of undergraduate statistics acceptable for transfer with a grade of C or better.
7. Have completed a health assessment course, including physical examination skills, with a grade of B or better that is acceptable for transfer.
8. Submit three letters of reference.
9. Submit a typewritten essay describing professional goals (limited to two type-written, double-spaced pages). A bachelor of science degree in nursing is mandatory.

Applicants may be considered for provisional admission on an individual basis. The specific provisions which must be met for progression to regular status will be noted in the admission letter.

Note: Admission criteria are subject to change. Please see the School of Nursing website for the most up-to-date criteria at: <http://www.hsc.wvu.edu/son/>.

Curriculum Requirements

Core Courses - Master's Degree

NSG 622	Theory & Disciplined Reasoning	3
NSG 623	Concepts of Advanced Nursing	2
NSG 624	Advanced Pathophysiology *	4
NSG 626	Lifespan Health Promotion *	2
NSG 627	Research/Systematic Analysis	5
NSG 629	Advanced Practice/Families	2
NSG 628	Health Policy/Finance/Ethics	3
NSG 685	Clinical Scholarship	1
Total Hours		22

* Neonatal NP Students will take NSG 654 and NSG 655 in place of NSG 624 and NSG 626.

FNP Courses

NSG 631	Advanced Pharmacotherapeutics	3
NSG 632	Advanced Assessment	2
NSG 633	Primary Care: Rural Families 1	3
NSG 634	Primary Care: Rural Families 2	4
NSG 635	Rural Family Hlth Practicum 1	5
NSG 636	Rural Family Hlth Practicum 2	5
Total Hours		22

Pediatric NP Courses

NSG 631	Advanced Pharmacotherapeutics	3
NSG 647	Assessment/Pediatric Care 1	5
NSG 644	Pediatric Primary Care 2	4
NSG 645	Pediatric Practicum 1	5
NSG 646	Pediatric Practicum 2	5
Total Hours		22

Neonatal NP Courses

NSG 631	Advanced Pharmacotherapeutics	3
NSG 654	Neonatal Pathophysiology	4
NSG 655	Neonatal Health Promotion	2
NSG 663	Neonatal Assessment/Care 1	5
NSG 664	Neonatal Care 2	4
NSG 665	Neonatal Practicum 1	5
NSG 666	Neonatal Practicum 2	5
Total Hours		28

Women's Health NP Courses

NSG 683	Primary Care:Women/Girls 1	3
NSG 684	Primary Care:Women/Girls 2	4
NSG 686	WHNP Practicum 1	5
NSG 687	WHNP Practicum 2	5
Total Hours		17

Leadership Courses

NSG 610	Leadership in Health Care	3
NSG 611	System Based Decision Making	2
NSG 612	Leading Health System Change	4
NSG 613	Managing Health Care Resources	3
NSG 614	Health Care Informatics	3
NSG 615	Program Planning/Evaluation	3
NSG 617	Leadership Practicum 1	2-5
NSG 618	Leadership Practicum 2	2-5
Total Hours		22-28

Post-Master's Certificate Program

The post-master's certificate program requires a minimum of 19 credit hours. The program prepares master's prepared nurses to sit for the national certification examination in the selected area of focus (family nurse practitioner, pediatric nurse practitioner, neonatal nurse practitioner, women's health nurse practitioner, and nursing leadership). To be considered for admission, the applicant must have a master's degree in nursing from a program accredited by NLNAC or CCNE with a minimum cumulative GPA of 3.0 or better and an unrestricted R.N. license in at least one state. Students in the post-master's certificate program must maintain a 3.0 GPA and receive satisfactory clinical ratings to progress. Each student's program will be individualized based on educational and experiential background. For those interested in a Nurse Practitioner Post-MSN certificate, prerequisites to registration for the required clinical courses in the program are evidence of competence in advanced pathophysiology, advanced pharmacotherapeutics, and health promotion.

Note: Admission criteria are subject to change. Please see the School of Nursing website for the most up-to-date criteria at <http://www.hsc.wvu.edu/son/>.

The required courses for post-master's certification follow:

Required Courses for Post Master's Family Nurse Practitioner

NSG 632	Advanced Assessment	2
NSG 633	Primary Care: Rural Families 1	3
NSG 634	Primary Care: Rural Families 2	4
NSG 635	Rural Family Hlth Practicum 1	5
NSG 636	Rural Family Hlth Practicum 2	5
Total Hours		19

Required Courses for Post Master's Pediatric Nurse Practitioner

NSG 647	Assessment/Pediatric Care 1	5
NSG 644	Pediatric Primary Care 2	4
NSG 645	Pediatric Practicum 1	5
NSG 646	Pediatric Practicum 2	5
Total Hours		19

Required Courses for Post Master's Neonatal Nurse Practitioner

NSG 654	Neonatal Pathophysiology	4
NSG 655	Neonatal Health Promotion	2
NSG 663	Neonatal Assessment/Care 1	5
NSG 664	Neonatal Care 2	4
NSG 665	Neonatal Practicum 1	5
NSG 666	Neonatal Practicum 2	5
Total Hours		25

Required Courses for Post Master's Women's Health Nurse Practitioner

NSG 632	Advanced Assessment	2
NSG 683	Primary Care:Women/Girls 1	3
NSG 684	Primary Care:Women/Girls 2	4
NSG 686	WHNP Practicum 1	5
NSG 687	WHNP Practicum 2	5
Total Hours		19

Required Courses for Post Master's Nursing Leadership

NSG 610	Leadership in Health Care	3
NSG 611	System Based Decision Making	2
NSG 612	Leading Health System Change	4
NSG 613	Managing Health Care Resources	3
NSG 614	Health Care Informatics	3
NSG 615	Program Planning/Evaluation	3
NSG 617	Leadership Practicum 1	2-5
NSG 618	Leadership Practicum 2	2-5
Total Hours		22-28

All students in post-master's certificate programs will complete a minimum of 600 supervised clinical hours.

School of Pharmacy

Degrees Offered

- Doctor of Pharmacy (Pharm.D.)
- M.S., Ph.D. in Pharmaceutical and Pharmacological Sciences

Introduction

Pharmacy was first offered at West Virginia University as a department in the School of Medicine in 1914. The College of Pharmacy emerged as a separate entity in 1936 and became the School of Pharmacy in 1958. In 1960 the School of Pharmacy changed from a four-year to a five-year program and in 1998 to a six-year program. The doctor of pharmacy (Pharm.D.) program comprises four years of professional study preceded by a minimum of two years of pre-pharmacy study in an accredited U.S. college of arts and sciences.

The mission of the West Virginia University School of Pharmacy is to improve the health and well-being of West Virginians and society at large by educating students and practitioners to provide optimal pharmaceutical care; conducting vital research that advances scientific knowledge, pharmacy practice, and economic development; and providing direct and supportive services to patients, the community, and the profession.

Most pharmacy graduates enter practice in community or institutional pharmacies; however, positions are also available in various government agencies, the pharmaceutical industry, long-term care, nuclear pharmacy, and home health-care organizations. Pharmacists are eligible for commissions in the armed forces and the U.S. Public Health Service. Pharmacists also may prepare for careers in teaching and research through graduate study.

The WVU School of Pharmacy offers M.S. and Ph.D. programs in the pharmaceutical and pharmacological sciences and health outcomes research.

Accreditation

The School of Pharmacy is fully accredited by the Accreditation Council for Pharmacy Education. The Council is composed of members from the American Pharmacists Association, the National Association of Boards of Pharmacy, the American Association of Colleges of Pharmacy, and the American Council on Education.

The School of Pharmacy holds membership in the American Association of Colleges of Pharmacy, whose objective is to promote the interests of pharmaceutical education.

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Dean

- Patricia A. Chase - Ph.D. (U Colorado)

Associate Dean for Academic Affairs and Educational Innovation

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Assistant Dean for Student Services

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- Mary E. Davis - Ph.D. (MSU)
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- Nancy Adkins - B.S. (WVU)
- Rodney Adkins - B.S.
- Jay Adzema - B.S. (WVU)
- Bernard F. Albertini - B.S. (ONU)
- Kathy Alexander - B.S. (WVU)
- Deborah Anderson - B.S. (WVU)
- Joe Anderson - B.S. (WVU)
- Nikki Andrea - B.S.
- Cyndee Atha - B.S.
- Kim Baller - B.S. (WVU)
- Ruth Bartenslager - B.S.
- Robert Barth - B.S. (Temple)
- Joseph E. Bartolo - B.S. (WVU)
- Harvey P. Barton - B.S. (WVU)
- James Bartsch - B.S. (U Wisconsin)
- John Beaver - B.S. (WVU)
- Paul Becilla - B.S. (WVU)
- Stacy L. Becker - B.S. (WVU)
- Patrick W. Bell - B.S. (WVU)
- Eric B. Bellina - B.S. (WVU)
- Gary Belue - B.S. (WVU)
- J. J. Bernabei - B.S. (WVU)
- Chuck Bish - B.S. (WVU)
- Herbert Blankenship - B.S. (WVU)
- Heather Blevins - Pharm.D. (WVU)
- Mario D. Blount - B.S. (WVU)
- Heather L. Boggs - B.S. (WVU)
- Roger L. Boothe - B.S.

- Robert E. Borders - Pharm.D. (U Nebraska)
- Randall Bowers - B.S. (WVU)
- J. Scott Boyd - B.S. (WVU)
- Robert Bradbury - B.S. (OSU)
- Thomas S. Brenner - B.S. (UMD)
- Charles Brice - B.S. (DUQ)
- David Britton - B.S. (WVU)
- Keith Broome - B.S. (UMD)
- David W. Brosh - B.S. (WVU)
- John R. Brower - B.S.
- Brac E. Brown - B.S. (SOSU)
- Matthew Brown - B.S. (WVU)
- Ronald Browning - B.S. (WVU)
- Richard Buterbaugh - B.S. (ONU)
- Paula Butterfield - B.S. (WVU)
- Jeff Carter - B.S. (WVU)
- Shaun D. Carter - B.S. (WVU)
- Margaret Carver - B.S.
- Terri Casdorff - B.S. (WVU)
- Cindy L. Cash - B.S. (OSU)
- Carl M. Cathell - B.S. (WVU)
- Ronald Chesser - B.S.
- Amy F. Cleghorn - B.S. (WVU)
- Roger S. Cole - B.S. (WVU)
- Matthew Comer - B.S. (WVU)
- George C. Cosmides - B.S. (WVU)
- James Crable - B.S. (UMD)
- Kathryn P. Craddock - B.S. (OSU)
- Aldo W. Crisante - B.S. (ONU)
- Stephen G. Crowe - B.S. (WVU)
- Kelly Davis - M.S. (OSU)
- Mary O. Davis - B.S. (WVU)
- Teresa Knight Davis - B.S. (WVU)
- Nancy Davis - B.S.
- Tammy W. Davison - B.S. (WVU)
- Jacalyn H. Denemark - B.S. (WVU)
- C. Michael Dickey - B.S. (WVU)
- Sean T. Douglass - B.S. (OSU)
- Susan Drady - B.S. (U of Rhode Island)
- David Drennen - B.S. (WVU)
- Nancy F. Drescher - B.S. (WVU)
- Frank Dundee - B.S. (ONU)
- Jennifer L. Dunlevy - B.S. (WVU)
- David Dunson - B.S. (U Miss)
- Karen Dusci-Famoso - B.S. (WVU)
- M. Todd Echard - B.S. (WVU)
- Natalie Elliott - B.S. (WVU)
- John M. Ellison - B.S. (WVU)
- Allyson Evans-Hott - B.S. (WVU)
- Samia Farah - B.S. (Alexandria U Egypt)
- Tom Faulstick - B.S. (WVU)
- Jeff Fenerty - B.S. (Philadelphia)

- Jeffrey S. Fisher - B.S. (WVU)
- Kathleen Fitzpatrick - B.S. (Oregon State)
- Carl Fitzwater - B.S. (WVU)
- David E. Flynn - B.S. (PITT)
- Cassandra Ford - B.S. (WVU)
- Dennis Foreman - B.S. (WVU)
- Robert L. Foster Jr. - B.S. (Auburn)
- Ronald J. Franck - B.S. (PENN)
- Linda Frederick - B.S. (WVU)
- Tamara Friel - B.S. (WVU)
- Randy C. Fulk - B.S. (WVU)
- A. Randon Fusco - B.S. (WVU)
- Robert Gajewski - B.S. (MUSC)
- Kevin Garlow - B.S. (WVU)
- Kevin M. Gaughan - B.S. (DUQ)
- Rebecca Gaughan - B.S. (WVU)
- Matthew Genin - B.S. (WVU)
- Kathy Gibbs - B.S. (WVU)
- Gregory S. Glover - B.S. (WVU)
- Stacy Gould - B.S. (WVU)
- Patrick J. Good - B.S. (WVU)
- Vicki Green - B.S. (WVU)
- Joseph F. Griffith - B.S. (WVU)
- Ric Griffith - B.S. (U of Cincinnati)
- Amy Grogg - B.S. (WVU)
- Elizabeth Grove - B.S. (WVU)
- Robert F. Gruber - B.S. (WVU)
- Kim Gum - Pharm.D. (WVU)
- Wilbur Hackett - B.S. (MCV-VCU)
- Spencer Hamilton - B.S. (WVU)
- Brenton R. Harman - B.S. (WVU)
- Chris R. Harper - B.S. (WVU)
- Kristin A. Harper - B.S.
- Harold D. Harrison - B.S. (UMD)
- Krista Harrison - B.S. (WVU)
- Johnna Harter - B.S. (WVU)
- Jeffrey Hartley - B.S. (WVU)
- Raymond Hawk - B.S. (DUQ)
- Sylvia Hawkins - B.S.
- Alicia Helmick - B.S. (WVU)
- Jana Hennessey - B.S. (WVU)
- Jodi Hicks - B.S. (Purdue)
- Mayme Hopkins - B.S. (WVU)
- Carlton Hoskinson - B.S. (WVU)
- Rebecca Hott - B.S. (WVU)
- Stanford Huber - M.D. (UMD)
- Edward Hughes - B.S. (ONU)
- Robert Hultman - B.S. (NDSU)
- Kent C. Hunter - B.S. (WVU)
- Cynthia Jackson - B.S. (WVU)
- Sharon Jackson - B.S.
- William L. Jackson - B.S. (WVU)

- Georgia Jarvis - Pharm.D. (SU)
- A. Martin Johnston - B.S. (SOSU)
- Mitchell Johnston - B.S. (WVU)
- Ron Jones - B.S. (WVU)
- Timothy Kefauver - B.S. (UMD)
- Lorri L. Kiddy - B.S. (WVU)
- Andrew F. Kindle - B.S. (U of Toledo)
- Mike Kirk - B.S.
- Thomas Kolencik - B.S. (DUQ)
- Michael Kovack - B.S. (WVU)
- Steve Krinke - B.S. (OSU)
- Stephen Krzastek - B.S.
- Amy Lafferty - B.S.
- John Lamantia - B.S. (WVU)
- Ric Leatherman - B.S. (WVU)
- Russell Lederhouse - B.S.
- Christopher Lester - B.S. (DUQ)
- Dennis R. Lewis - B.S. (WVU)
- Amy Lizza - B.S. (DUQ)
- Walter Lizza - B.S. (DUQ)
- Chris Lockard - B.S. (WVU)
- Elaine C. Loizos - B.S. (WVU)
- Patsy Longhi - B.S. (DUQ)
- Richard Losh - B.S. (WVU)
- Ronald K. Lough - B.S. (WVU)
- Michael A. Lowery - B.S. (WVU)
- Marie Majdalany - B.S. (WVU)
- Jim Makricostas - B.S.
- Lisa D. Mallow - B.S. (WVU)
- Paul R. Manzuk - B.S. (WVU)
- Donald E. Marcoz, Jr. - B.S. (DUQ)
- Melissa Marhefka - B.S.
- Benny L. May - B.S. (WVU)
- Carol Ann May - Pharm.D. (MCV/VCU)
- Ronald McCabe - B.S. (WVU)
- Craig McCammon - Pharm.D. (UM)
- Nicole McCart - B.S.
- Richard W. McCormick - B.S. (WVU)
- Andrew McDonald - B.S. (WVU)
- Barry McDougle - B.S.
- Joseph C. McGlothlin - B.S. (WVU)
- Todd McGrew - B.S. (WVU)
- Kathy R. McIntire - B.S. (WVU)
- Daniel J. McKeever - B.S. (WVU)
- Carol Mckisic - B.S.
- Lisa McMorrow - B.S.
- Nicole McNamee - Pharm.D. (UK)
- Kathy McNeill - B.S. (WVU)
- Christopher K. Mealey - B.S. (WVU)
- Tina Mealey - B.S. (WVU)
- Susan P. Meredith - B.S. (WVU)
- Donna Merrifield - B.S. (WVU)

- Ed Metheny - B.S. (WVU)
- John L. Metheny - B.S. (WVU)
- Jeffrey Mikol - B.S. (WVU)
- Joseph Miller - B.S. (WVU)
- Devonna Miller-West - B.S. (WVU)
- Melissa Minigh - B.S. (DUQ)
- Steven M. Monti - B.S. (WVU)
- Monnie Moore - B.S. (WVU)
- Dale Moore - B.S. (PITT)
- Brice Moorehead - B.S. (WVU)
- Mark D. Moran - B.S. (WVU)
- John D. Morgan - B.S. (WVU)
- Kimberly S. Moss - B.S. (WVU)
- John I. Mourat - B.S. (WVU)
- Carolyn Mundhal - B.S.
- John Nally - B.S. (WVU)
- Stephen E. Neal - B.S. (WVU)
- Susan Nicholson - B.S. (WVU)
- Lisa Nord - B.S.
- Chuck Okel - B.S. (WVU)
- Glen Palmer - B.S. (Albany)
- Kevin R. Parker - B.S. (WVU)
- Corleen Patterson - B.S. (WVU)
- Mary Frances Patton - B.S. (WVU)
- Thomas G. Patton - B.S. (WVU)
- Janet Perdieu - B.S. (WVU)
- Gregory J. Plas - B.S. (OSU)
- Robert Podbesek - B.S. (WVU)
- Ronald Posey - B.S. (WVU)
- William Presley - B.S. (WVU)
- John Putorek - B.S. (WVU)
- Timothy Rakas - B.S. (PITT)
- Brenda Rappold - B.S. (WVU)
- Diane Redick - B.S. (WVU)
- Karen L. Reed - B.S. (WVU)
- Kenneth R. Reed - B.S. (WVU)
- William R. Renner - B.S. (WVU)
- Matthew E. Rhoten - B.S. (DUQ)
- Robert Rice - B.S. (WVU)
- Jeffrey Richards - B.S. (DUQ)
- Renee Riley - B.S. (WVU)
- Josh Rimany - B.S. (U of Connecticut)
- Dianna L. Ringer - B.S. (WVU)
- Tim Robbins - B.S. (WVU)
- Mark Robinson - B.S. (WVU)
- Daniel A. Rock Jr. - B.S. (WVU)
- Gina Rohal - B.S. (WVU)
- Rhonda M. Rose - B.S. (WVU)
- Jim Rovegno - B.S.
- Julie Rumbach-Austin - M.B.A. (WVWC)
- Joshua Russell - B.S.
- James W. Scarborough - B.S. (WVU)

- Nicholas J. Scrivo - B.S. (WVU)
- Ronald J. Selders - B.S. (WVU)
- Kevin Shafer - B.S. (WVU)
- Nikki Shay - B.S. (WVU)
- Paul Sheets - B.S. (WVU)
- Erica Shelton - Pharm.D. (WVU)
- Stephen Shrewsberry - B.S. (WVU)
- Stephanie Shrider - B.S. (ONU)
- Karl W. Sommer - B.S. (WVU)
- Charles Sommercorn - B.S. (U Illinois)
- John Sonnenday - B.S.
- Alice Sowada - B.S. (U Wyoming)
- Brian Spiker - B.S. (WVU)
- Georgia Spinks - B.S.
- Tom H. Stanley - B.S. (WVU)
- Thomas Stewart - B.S. (WVU)
- Kendra Stewart - B.S. (WVU)
- Brent Stillion - B.S. (WVU)
- Leslie Stone - B.S.
- S. Renee Straight - B.S. (WVU)
- Eric Strother - B.S. (WVU)
- Charles R. Swisher - B.S. (WVU)
- Brenda R. Talbott - B.S. (WVU)
- Robert H. Taylor - B.S. (WVU)
- Teresa Thompson - B.S. (WVU)
- Stephen E. Toompas - B.S. (WVU)
- Lou Toth - B.S. (PITT)
- Randy Trumbule - B.S. (WVU)
- Mitch Vickers - B.S. (WVU)
- Michael Wagoner - B.S. (WVU)
- Scott Wanstreet - B.S. (WVU)
- Carrie A. Warman - B.S. (WVU)
- Christine Waugh - B.S. (WVU)
- Bridgette Weaver - B.S. (WVU)
- David R. Weekley - B.S. (WVU)
- Devonna West - B.S. (WVU)
- Kathleen White - B.S. (ONU)
- Randy Williams - B.S. (WVU)
- Jennifer L. Williams - B.S.
- David Yoakum - B.S. (WVU)
- Dennis C. Young - B.S.
- Kathy M. Yount - B.S. (Purdue)
- James Zawacki - B.S. (PCPS)

Pharmaceutical and Pharmacological Sciences

Dr. Rae Matsumoto, Graduate Program Director
rmatsumoto@hsc.wvu.edu

Dr. Jason Huber, Graduate Pathway Director, Pharmaceutical and Pharmacological Sciences

jhuber@hsc.wvu.edu

Dr. Suresh Madhavan, Graduate Pathway Director, Health Outcomes
smadhavan@hsc.wvu.edu

Degrees Offered

- Master of Science
- Doctor of Philosophy
- Joint Doctor of Medicine and Doctor of Philosophy

Research interests are complementary to the focus of each of the two pathways in the program: pharmaceutical and pharmacological sciences, and health outcomes. Key areas of research interest and expertise in the pharmaceutical and pharmacological sciences pathway include: pharmaceutical sciences, pharmacology, cancer, neuroscience, nanoscience, and toxicology. Key areas of research interest and expertise in the health outcomes pathway include: health outcomes, health disparities, health services, health quality, pharmacoconomics, pharmacoepidemiology, patient reported outcomes, and health behavior.

Graduate Program Pharmaceutical and Pharmacological Science

The School of Pharmacy offers a master of science (M.S.) and doctor of philosophy (Ph.D.) degree in pharmaceutical and pharmacological sciences with two pathways aimed at training competent researchers and educators: health outcomes research, and pharmaceutical and pharmacological sciences. Both pathways in the graduate program provide interdisciplinary, research-oriented curricula designed to develop the interests, capabilities, and potential of the individual student.

Admission Requirements

Applicants for admission into the graduate program must satisfy the WVU and Health Sciences Center general requirements for admission as a graduate student. The applicant must possess a baccalaureate degree, background in a suitable area of study, an overall grade point average of at least 3.0, and the aptitude and interest for graduate work in pharmaceutical and pharmacological sciences or health outcomes research to be admitted. Graduate Record Examination (GRE) scores in the verbal, quantitative, and analytic essay portions are required from all students planning on entering the graduate program. TOEFL scores are required of all international students from countries where English is not the primary language.

Academic Standards

No credits are acceptable toward a graduate degree with a grade lower than a C. A graduate student must have a cumulative grade point average of at least 3.0 in all graduate courses to continue in the program and to qualify for a M.S. or Ph.D. degree.

Master of Science

The school of pharmacy offers programs of graduate study leading to the degree of master of science in two program pathways: health outcomes research, and pharmaceutical and pharmacological sciences.

Requirements for M.S. Degree

To be eligible for the M.S. degree, students must complete a minimum of 30 hours of graduate credit, of which no more than six credit hours may be for thesis research. Upon completion of the coursework and research requirements and after submission of the thesis, an oral examination will be administered by the appointed examination committee. For more specific information, contact the associate dean for research and graduate programs:

Dr. Rae Matsumoto
Associate Dean for Research and Graduate Programs
WVU School of Pharmacy
2037 Health Sciences Center North
P.O. Box 9500
Morgantown, WV 26506-9500
Telephone: (304) 293-1450
email: rmatsumoto@hsc.wvu.edu

Doctor of Philosophy (Ph.D.)

The School of Pharmacy offers programs of study leading to the doctor of philosophy (Ph.D.) degree in the pharmaceutical and pharmacological sciences via two pathways: health outcomes research, and pharmaceutical and pharmacological sciences. Specialty areas of study include pharmacology, drug metabolism, cancer cell biology, nanotechnology, health outcomes, epidemiology, and policy research.

Requirements for Ph.D. Degree

Students enrolling in the health outcomes pathway are admitted directly into the School of Pharmacy. To obtain specific application and admission information about the Ph.D. program pathway in health outcomes research please visit <http://pharmacy.hsc.wvu.edu/orgp/Pathways/Health-Outcomes-Pathway>.

Students planning on enrolling in the pharmaceutical and pharmacological sciences pathway are admitted through the health sciences center interdisciplinary graduate program in biomedical science, through which they complete the first year of study. During the first year, students take a required set of courses and rotate through the laboratories of potential research mentors. At the end of the first year, students may formally enroll in the pharmaceutical and pharmacological sciences graduate program and select a research advisor.

For each pathway in the graduate program, upon completion of the second year of study, students must submit a formal plan of study and a research plan that is approved by their Ph.D. committee. Progress is expected to continue with guidance from the student's research committee. Final admission to candidacy requires satisfactory performance on written and oral qualifying examinations, as well as a dissertation proposal defense. Subsequent to admission to candidacy, a substantial part of the program is devoted to an original research project which culminates in a first-authored publication and dissertation. To be recommended for a Ph.D., the dissertation must be satisfactorily completed and defended at an oral examination.

For more specific information, please contact the associate dean for research and graduate programs:

Dr. Rae Matsumoto

Associate Dean for Research and Graduate Programs

WVU School of Pharmacy

2037 Health Sciences Center North

P.O. Box 9500

Morgantown, WV 26506-9500

Telephone: (304) 293-1450

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Pre-Pharmacy

Pre-Pharmacy Curriculum Requirements

WVUE 191	First Year Seminar	1
Select one of the following		3-6
ENGL 101 & ENGL 102	Composition And Rhetoric and Composition And Rhetoric	
ENGL 103	Accelerated Academic Writing	
Select one of the following:		3-8
MATH 150	Applied Calculus	
MATH 153 & MATH 154	Calculus 1a with Precalculus and Calculus 1b with Precalculus	
MATH 155	Calculus 1	
ECON 201	Principles of Microeconomics	3
BIOL 115	Principles of Biology *	4
BIOL 117	Introductory Physiology	4
CHEM 115	Fundamentals of Chemistry	4
CHEM 116	Fundamentals of Chemistry	4
CHEM 233	Organic Chemistry	3
CHEM 234	Organic Chemistry	3
CHEM 235	Organic Chemistry Laboratory	1
CHEM 236	Organic Chemistry Laboratory	1
PHYS 101 & PHYS 102	Introductory Physics and Introductory Physics **	8
Select one of the following:		

STAT 211	Elementary Statistical Inference	
ECON 225	Elementary Business/Economics Stat	
Microbiology options:		3-4
MICB 200	Medical Microbiology (Microbiology options:)	
AEM 341	General Microbiology	
AEM 401	Environmental Microbiology	
Total Hours		45-54

- * BIOL 101, BIOL 102, BIOL 103 and BIOL 104 may be taken in place of BIOL 115. BIOL 115 is preferred.
- ** PHYS 111 and PHYS 112 may be taken in place of PHYS 101 and PHYS 102, and in some cases PHYS 111 and PHYS 102 may count toward the Physics requirement.
- *** Electives must be designed to satisfy the University General Education Curriculum (GEC) requirements. (See "General Education Curriculum" for a listing of specific courses.)

In addition, it is recommended that applicants take undergraduate courses in cellular biology and biochemistry.

Admissions are competitive. It should be noted that applicants with GPAs below 3.0 are not admitted. Criteria used to evaluate candidates include academic performance, as measured by the grade point averages (GPA) for all the above-noted pre-requisite courses, and the cumulative GPA achieved in all prior college-level coursework, Pharmacy College Admissions Test (PCAT) scores (including a written essay), a personal interview, and letters of recommendation. All prerequisite courses must be taken at a U.S. accredited institution of higher education and completed with a grade of C or better. Priority is given to qualified West Virginia residents, applicants who have performed the majority of their prerequisite course work in a WV college or university, and applicants who have already earned a bachelors degree. Careful consideration is given to those personal qualifications which bear upon the fitness of applicants for the study and practice of the profession of pharmacy.

All applicants must first file an initial electronic application with the Pharmacy College Application Service (PharmCAS). Instructions for completing the application are found on the PharmCAS website, <http://www.pharmacas.org/>. Application deadlines are subject to change; check PharmCAS, the School of Pharmacy webpage at <http://pharmacy.hsc.wvu.edu>, or contact the school to verify current deadlines. Supplemental applications specific to the WVU School of Pharmacy will then be sent to selected candidates deemed qualified by the Committee on Admissions. A \$50 application fee must accompany the supplemental application.

Each applicant who is recommended for acceptance is required to deposit \$400 (if WV resident) or \$800 (if non-WV resident) before his or her name is added to the official list of those accepted by the School of Pharmacy. If the applicant enrolls, this sum is applied to the first-semester tuition. If the applicant fails to enroll, this deposit is forfeited.

With enrollment in the School of Pharmacy, all students must comply with the immunization and diagnostic procedures required by the WVU Board of Governors, WVU, the WVU Robert C. Byrd Health Sciences Center, and the School of Pharmacy.

Complete information may be obtained from:

Dean School of Pharmacy
Robert C. Byrd Health Sciences Center
P.O. Box 9500
Morgantown, WV 26506-9500

or from

Office of Admissions
Robert C. Byrd Health Sciences Center
P.O. Box 9815
Morgantown, WV 26506-9815

Pharmacy College Admission Test

Completion of the Pharmacy College Admission Test is a requirement for admission to the school. It is recommended that the student take this test in the summer or fall before making application for admission. Information concerning time and place of the test can be obtained from a pre-pharmacy advisor, the School of Pharmacy, or by writing:

PsychCorp
PSE Customer Relations-PCAT
19500 Bulverde Road
San Antonio, TX 78259
1-800-622-3231 or (210) 339-8710
Fax 1-888-211-8276 or 210-339-8711
or <http://www.PCATweb.info>

Personal Interview

The Committee on Admissions requires a personal interview with selected candidates who qualify for a supplemental application. The Committee on Admissions will determine which applicants are to receive the supplemental application. Interviews are held during the spring semester at the Robert C. Byrd Health Sciences Center in Morgantown.

Recommendations on Academic Performance

Two academic recommendations are required and must be provided by course instructors in any two of the pre-pharmacy science areas: biology, chemistry, math, and physics. The third recommendation may be provided by a course instructor of the student's choice, an advisor, pharmacist, health professional, or employer.

Admission to Advanced Standing

If space is available, students from other accredited schools of pharmacy may be admitted, provided they meet the prerequisite course requirements of the WVU School of Pharmacy, have at least a 2.5 professional grade point average, are in good academic and professional standing at the school of origin, and are eligible for continuation toward a degree in pharmacy at the school initially attended. Grades of D in professional courses cannot be transferred.

Conditions Following Acceptance of Admission

An applicant accepted into the first year or with advanced standing is expected to have met all entrance requirements and satisfactorily completed all pre-pharmacy work in progress by the end of the spring semester prior to matriculation or, if a transfer student, prior to transfer. A satisfactory performance in the completion of such work is defined as one that is consistent with the student's previous academic record and must include no grades of D or lower in prerequisite courses. Failure to do so will result in revocation of the acceptance by the Admissions Committee.

Furnishing or causing to furnish false or incorrect information for the purpose of gaining admission to the School of Pharmacy constitutes grounds for disciplinary action including, but not limited to, expulsion or revocation of acceptance.

Students in the School of Pharmacy agree to abide by the provisions of the Student Code of Academic and Professional Integrity. Upon admission each student is required to return a signed statement to the Office of Student Services indicating the student has read and understands the Policy on Academic and Professional Standards and the Student Code of Academic and Professional Integrity of the West Virginia University School of Pharmacy. The code and copies of the statement are available in the Office of Student Services in the School of Pharmacy, and on the School of Pharmacy website.

Academic and Technical Standards

Please see this section under the Pharm.D. program heading for details.

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