

# ACADEMIC CATALOG 2011 - 2012

Revised June 2011



## LOGAN COLLEGE OF CHIROPRACTIC UNIVERSITY PROGRAMS

**FOUNDED 1935**

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### AFFILIATES

Carver Chiropractic College  
Missouri Chiropractic College

## The Vision of the University

Logan University will be recognized nationally as a community of learners inspired to lead a life of significance.

## The Mission of the University

Logan University is a diverse and engaging community committed to excellence in health sciences, education, and service, guided by integrity, commitment, and passion.

## The Vision of Logan College of Chiropractic

Logan College of Chiropractic is a premier graduate educational institution and the College of choice for those men and women dedicated to providing exceptional patient care that promotes wellness and individual quality of life.

## The Mission of Logan College of Chiropractic

Logan College of Chiropractic prepares students to become Doctors of Chiropractic who are superbly educated and clinically competent practicing portal-of-entry chiropractic physicians. This mission is accomplished through our dedicated faculty recognized for student-centered excellence; comprehensive science-driven, knowledge-based, and information-facilitated curriculum; enhanced by community and public service. The institution is committed to the conduct of research and other scholarly activities.

## Motto

Studio Optimae Doctrinae et Saluti Sanitatis  
(Dedicated to the pursuit of educational excellence and the preservation of health)

## Logan Advantage

Logan College of Chiropractic / University Programs offers distinctive educational advantages – The Logan Advantage – that can enhance your education experience and prepare you more effectively than other educational opportunities. Consider The Logan Advantage when selecting your education.

Logan is more than just a collection of great faculty and the latest technology – we are a learning community that strives to provide our students with the most optimal way for them to become respected professionals. Logan has a commitment to graduate students who possess an appreciation for the value of giving back to their professional and civic communities. At Logan, this commitment lives in the daily experiences of our students and faculty.

One visit to campus is all it will take to appreciate why MSNBC called Logan “One of America’s Prettiest Campuses.” Nestled on 112 acres in Chesterfield Mo, just minutes from downtown St. Louis, our modern facility provides everything a student requires. From large comfortable classrooms, to social and recreational buildings, Logan is home to symphony orchestras and professional stage productions in the 1,500-seat Purser Auditorium. Logan offers a campus facility that is astonishing and a must see!

We invite you to visit our campus and see The Logan Advantage today.

## Policy Changes

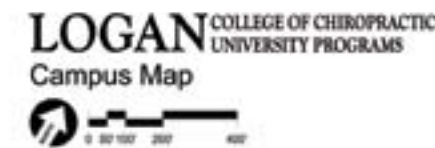
The Administration of Logan reserves the right to make changes regarding material contained in this *Catalog*. The changes will be in effect for all current and future students. Students are responsible for becoming acquainted with all requirements contained in this *Catalog*.

The provisions of this *Catalog* should not be construed by applicants or students as an irrevocable contract. Logan University Inc., dba Logan College of Chiropractic, reserves the right to effect policy and regulatory changes at any time with or without notice. Moreover, Logan does not assume a responsibility for giving advance notice of changes made in policies, criteria, or rules.

The Administration is not responsible for any changes in admission requirements, advanced standing, or privileges listed in this *Catalog* due to mandates by state boards, governmental agencies, and/or accrediting agencies.

## Notice of Nondiscrimination

Logan admits students of any race, color, national and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin in administration of its educational policies, admissions policies, scholarships and loan programs, and athletic and other school-related programs. Any person having inquiries concerning Logan’s compliance with the regulations implementing Title VI, Title IX, and Section 504 is directed to the Dean of Student Services, 1851 Schoettler Road, P.O. Box 1065, Chesterfield, MO 63006-1065, telephone number 636-227-2100 or 1-800-782-3344. The Dean of Student Services has been designated by Logan to coordinate the institution’s efforts to comply with regulations implementing Title VI, IX, and Section 504. Any person may also contact the Assistant Secretary for Civil Rights, U.S. Dept. of Education, regarding the institution’s compliance with the regulations implementing Title VI, Title IX, or Section 504.



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*President’s Message*

*“Our job is to look into the future, and to see the College not as it is...but as it can become.”*

Homer, the Greek epic poet, wrote in the 6th Century, BC, “To be more is the supreme adventure.” I compliment your interest in Logan College of Chiropractic and University Programs. Whether you have chosen to pursue a doctoral degree in chiropractic or a Master of Science degree in Sports Science and Rehabilitation, we welcome you to Logan. We advocate in our philosophy that patient-oriented health care and proper patient results, along with structural integrity of the human being, are paramount.

William Shakespeare described the world as a stage and all the people in the world as actors in this great drama. Chances are that if you consider the world in that matter, you may see yourself as the star of your own play. Your script and your set may change a bit as your life progresses, but for the most part you know how you are going to think, feel and respond in most situations.

But, suppose one day, TODAY, you get the break you have been waiting for, the opportunity of a lifetime. You are offered a chance to play the person you have always wanted to be, a character who does the things all of us dream of doing.

- Empowerment of the future.
- Help people; make a difference.
- Be your own boss.
- Have the opportunity and potential to provide a more than adequate income.
- Visualize life as a great adventure.

Today, as you consider choices for a career in health care you have taken your first committed step toward your new role as the star in your own play. Your vision of the future to empower and influence other individuals can make a difference in the world!

We invite you to check us out on the web at [www.logan.edu](http://www.logan.edu) and urge you to visit our beautiful 112-acre campus. Come and see our award-winning campus and witness our commitment to health care education.

Hope to see you soon!



*George A. Goodman, DC, FICC*

George A. Goodman, DC, FICC  
President



# 1 GENERAL INFORMATION

## *Chiropractic Science: A Definition*

Chiropractic science focuses on the relationship between structure (primarily the spine) and function (as coordinated by the nervous system) and how that relationship affects the preservation and restoration of health.

Chiropractic is a health care discipline that emphasizes the inherent recuperative power of the body to heal itself without the use of drugs or surgery.

### **The Subluxation**

Chiropractic is concerned with the preservation and restoration of health and focuses particularly on the subluxation.

A subluxation is a complex of functional and/or structural and/or pathological articular changes that compromise neural integrity and may influence organ system function and general health.

A subluxation is evaluated, diagnosed, and managed through the use of chiropractic procedures based on the best available rationale and empirical evidence.

### **Diagnosis**

Doctors of Chiropractic, as primary health care providers, employ the education, knowledge, diagnostic skill, and clinical judgment necessary to determine appropriate chiropractic care and management.

Doctors of Chiropractic have access to diagnostic procedures and/or referral resources as required or appropriate.

*Association of Chiropractic Colleges' Paradigm*

## *Chiropractic Profession and Education*

The care and healing of the sick is an ancient and honorable profession, requiring those who pursue it to have a genuine interest in, and a dedication to, helping others. A career in Chiropractic fulfills this basic desire and offers an opportunity for personal growth in understanding the human body.

A Doctor of Chiropractic is a primary health care provider who firmly believes that in every human being there is an innate ability to maintain and regain health in a natural way. A Doctor of Chiropractic's role is to facilitate this in a manner that is in accord with nature and nature's laws.

In order to accomplish this objective, a Doctor of Chiropractic must gain expert knowledge of the body through the study of basic sciences, clinical sciences, body mechanics, and chiropractic techniques. The Doctor of Chiropractic must be able to evaluate, diagnose, and then deliver the proper care so that the body can regain and maintain health.

The curriculum of Logan is directed toward educating the student to have a thorough knowledge of the human body and to become a Doctor of Chiropractic. The student's understanding of body structure and function develops as the student gains more knowledge of the human body. In the Logan curriculum, science and philosophy complement each other. The student learns how and why Chiropractic is effective both from actual experience and practice in the clinic. Throughout the program students work with chiropractic specialists and other health care professionals.

A chiropractic career is rigorous, and one must fully devote himself or herself to the profession to gain full satisfaction in this career.

## *History*

Logan College was founded as a not-for-profit organization to provide an intensive and thorough training for the student in Chiropractic, including a full knowledge of the structure and function of the human body. Graduating doctors are taught to care for the patient by performing complete physical examinations, making proper diagnoses, providing the necessary chiropractic care, or referring patients to doctors in another discipline, if deemed necessary.

Logan College of Chiropractic, Inc., was named for its founder and first president, Hugh B. Logan, DC. Logan enrolled its first class of seven young men and women on September 1, 1935. The College was housed in a converted residence at 4490 Lindell Boulevard in St. Louis' Central West End area. Five more students joined the class in February 1936 and the College began its early struggle for survival and growth.

By October 1936 Logan College had outgrown its quarters. Dr. Logan surveyed St. Louis County for possible new sites and chose a 17-acre wooded, hilly estate in the northern suburb of Normandy for the college's new location. Within five years, larger enrollments and the college's outpatient clinic had made Logan College self supporting and expansion continued at a rapid pace. Even during World War II, enrollment at Logan College continued to grow. During the college's first decade in operation, only one graduate failed to enter and stay in practice.

Dr. Hugh Logan died suddenly in 1944. His son, Dr. Vinton F. Logan, assumed the presidency of the College and under his able guidance Logan continued its stability. During Dr. Vinton Logan's tenure as president, a planned group of modern structures for use as clinic buildings to train chiropractic students was added to the campus. One, the HB Logan Memorial, greatly expanded the outpatient clinic and modernized the cafeteria.

In 1958, Carver College of Chiropractic of Oklahoma City merged with Logan. Dr. Willard Carver, one of the great pioneers of the chiropractic profession, had founded Carver Chiropractic College in 1906.

Dr. Vinton Logan died in July 1961 and was replaced as president by William N. Coggins, DC. Dr. Coggins had previously served as Logan's dean.

In the summer of 1964, Missouri Chiropractic College merged with Logan College. The following year, the Vinton Logan Educational Building, which included classrooms, a library, technique laboratories, and an auditorium, was constructed on campus. In 1966, Logan added 40 two-bedroom apartments to the campus.

By the 1970s, the profession of chiropractic as a natural healing method was gaining momentum. Anticipating future growth, the Logan College administration and Board of Trustees began to evaluate the adequacy of the college's physical plant. At this time, the decision was made to search for a new campus site. In 1972, the college acquired the buildings and grounds of a former Maryknoll seminary on a 112-acre wooded hilltop in Chesterfield, Missouri, a western suburb of St. Louis. Logan faculty, staff, and students moved to the college's present location in the summer of 1973. This new campus provided more modern academic facilities and a relaxed atmosphere conducive to learning.

Logan College received provisional accreditation from the Council on Chiropractic Education (CCE) in 1976 and was granted full accreditation in 1978. This accreditation has continued through all subsequent renewals.

After nearly 40 years of association with Logan College, President William Coggins, DC, announced his retirement in June 1979. The Board of Trustees selected M.T. Morter, Jr., DC, to assume this position. In April 1980, Beatrice B. Hagen, DC, became interim administrator of Logan College and was appointed president on December 6, 1980.

In 1982, the new Logan College of Chiropractic Health Center was constructed on the south end of the campus and dedicated to Dale C. Montgomery, DC. This 33,000 square-foot facility provides modern diagnostic and therapeutic capabilities and contains areas dedicated to patient care, radiology, laboratory diagnosis, physiologic therapeutics, research, archives, and classrooms.

In June 1986, ground breaking for a second new building, the Science and Research Center, took place. Ribbon-cutting ceremonies were held in October 1987 for this 30,000 square-foot, multi-purpose facility located on the northwest part of the campus.

At the end of 1992, Dr. Hagen retired from the college presidency and the Board of Trustees appointed George A. Goodman, DC, FICC, as her successor. Dr. Goodman, a 1968 Logan graduate, came to the presidency with more than 20 years of experience as a chiropractic physician and educator. He had been Logan's vice president of

chiropractic affairs since 1982, leading the college's legislative relations activities at the state and national levels.

As president since January 1993, Dr. Goodman has expanded the vision of the institution educationally, financially, and from a development standpoint. The College has seen a dramatic external improvement in the aesthetics of the campus. Classroom renovation has been significantly improved to enhance educational quality and accommodate increased class sizes.

Corporate and foundation monetary support has been a significant goal realized by Logan College. Logan College, as a tuition-driven institution, has achieved debt-free status and formed educational partnerships with public universities to enhance the future of chiropractic education.

Throughout the past decade, Logan College became increasingly active in community outreach. The College now operates free community clinics at the Salvation Army's Rehabilitation Center on Forest Park Boulevard and at the St. Patrick Center, a Catholic Charities facility located in downtown St. Louis.

The Logan Health Centers also provide services to the general public at several fee-for-service locations. In addition to its on-campus health center in Chesterfield, the College operates satellite health centers in St. Charles, St. Peters, south St. Louis County, and Webster Groves. At each of these college health care facilities, senior interns of the College provide services under the direction of licensed chiropractic physicians of the college faculty.

In 1987, the North Central Association of College and Schools granted Logan College accreditation. Candidacy status had been previously attained in 1984. In 1992, and again in 2002, Logan received the maximum ten-year reaccreditation from this agency.

In 1998, ground was broken for the William M. Harris DC Sports/Wellness Complex. The Sports/Wellness Complex, which opened in October 2000, features a workout center, activity area with air hockey, conference room, lounge area, and the office of the director of sports activities. Outdoor facilities include a basketball court, tennis court, two sand volleyball courts, pavilion, baseball and soccer fields, and a one quarter-mile, asphalt jogging track.

The renovation of the former Maryknoll chapel into a modern Learning Resources Center (LRC) occurred in 2003 and transformed this library into a modern and technologically advanced learning facility while retaining its visually striking historical elements. Visitors now approach the Center through an updated lobby in the William N. Coggins, DC Administration Center. The LRC

has been expanded, with 2,000 square-feet of space added to its original 13,440 square footage. The reading room area, which now houses most of the center's 75 computers for student use, has been expanded for individual study. Behind the marble wall at the rear of the reading room, group study rooms have been constructed. A new distance-learning program studio, to aid technology-driven educational initiatives, was also built.

In October 2005, under an agreement with the US Department of Veterans Affairs, Logan College of Chiropractic began providing part-time chiropractic clinic services at the VA's Jefferson Barracks facility in south St. Louis County. The clinic is presently open three days a week for US veterans who receive benefits through the Department of Veterans Affairs. In August 2010, Logan began a program at Scott (Illinois) Air Force Base where college interns provide chiropractic services for military patients.

Also in 2005, Logan's Board of Trustees took the bold step of committing the College to the development of the \$22.7 million William D. Purser, DC Center and other campus enhancements, the largest capital improvement projects in the school's 75-year history. Construction of this state-of-the-art education conference center and learning facility was completed in April 2007, along with a much needed second entrance/exit to the campus and a dramatic central plaza area with a magnificent display fountain that has radically changed the look of Logan's upper campus.

Logan holds its Doctor of Chiropractic graduations three times each year in the Purser Center. The 47,000 square-foot center features a 1,500-person main hall that can be divided into smaller classrooms for lectures and continuing education seminars and is equipped with sophisticated wireless technology to support distance learning. The building lobby is large enough to accommodate postgraduate events, corporate meetings, conference lunches, banquets, wedding receptions, cocktail parties, and other community activities. A naturally sloped, outdoor amphitheatre at the back of the center seats up to 900 guests for concerts and other presentations.

In late November 2007, Logan College demolished its old gymnasium on campus in order to build the Standard Process® Student Center, a modern 6,500 square-foot facility. The \$3.5 million project, funded through private donations, was completed and opened in May 2008. This student center includes both recreation and relaxation areas and a new Student Services Offices, which serves as a buffer between these different use areas. It features a mezzanine level with all natural light throughout the space and a cascading waterfall. The center's amenities include a television lounge, game room, collaborative study tables,

research carrels with Internet access, meeting rooms, and vending and snack stands. The student center project also included the renovation of nearby restroom facilities and hallways with updated finishes and new lighting.

In 2010 Logan College celebrated its 75th anniversary of continuous operation, and in November 2010 broke ground for a new \$4.9 million three-story Educational Wing, with one floor dedicated to an Assessment Center. This newest addition to the Logan campus is scheduled for completion in early 2012. Logan is now one of the largest chiropractic colleges or universities among 43 worldwide. Through the efforts of its faculty, administration, alumni, staff, and students Logan continues to grow and develop as a leading institution for chiropractic education.

## *Chiropractic Philosophy*

The convictions of the founder and those who gave of their wisdom and support in the function of Logan College of Chiropractic form the basis for the College's philosophy of education.

Logan was founded to provide an intensive and thorough training for the student in Chiropractic, including a full knowledge of the structure and function of the human body. The graduating doctor is taught to care for the patient by performing complete physical examinations, making a proper diagnosis, providing the necessary chiropractic care, and/or referring the patient to a doctor in another discipline if deemed necessary.

In the field of chiropractic philosophy and technique, it is the desire of Logan to have each student gain an expert knowledge of body mechanics and to become highly proficient in chiropractic technique. The student is taught to normalize the entire spinal structure when possible, thereby providing the best opportunity for the nervous system to function properly. The student is instructed in various procedures of spinal adjusting for the correction of vertebral subluxations. The Logan System of Body Mechanics is emphasized and provides a basis for the coordination of various adjusting procedures. The student is provided with a strong philosophy of what chiropractic procedures can and cannot accomplish through the presentation of chiropractic principles in a coordinated set of classes.

Logan strives to provide the facilities and environment that will produce graduates who are professional men and women interested in rendering valuable health care and service. The high ideal of a life of healthcare service to their community, their country, and their profession is instilled in students.

## *College Organization and Accreditation*

### **General Information**

Logan College of Chiropractic is chartered under a Pro-Forma Decree (1936) by the State of Missouri as a nonprofit educational institution. This provides a tax-exempt status for the College and makes it eligible to receive tax-free gifts and bequests according to state and federal laws.

### **Accreditation**

Logan University Inc., dba Logan College of Chiropractic, is accredited as an institution by the Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools to award the Bachelor of Science Degree in Human Biology, the Bachelor of Science Degree in Life Science, the Master of Science Degree in Sports Science and Rehabilitation, the Master of Science Degree in Nutrition and Human Performance, and the Doctor of Chiropractic Degree. The address of the North Central Association of Colleges and Schools-Higher Learning Commission is: 30 N. La Salle St., Suite 2400, Chicago, IL 60602-2504, telephone 312-263-0456.

The Doctor of Chiropractic program of Logan is accredited by the Council on Chiropractic Education (CCE), 8049 N. 85th Way, Scottsdale, AZ 85258-4321, telephone 480-443-8877. Complaints regarding compliance with the *CCE Standards* should be addressed to the CCE.

### **University Status**

The Logan College of Chiropractic Board of Trustees officially changed the nomenclature of Logan College of Chiropractic to "Logan University" effective February 5, 2000. The name change will not interfere with Logan College of Chiropractic continuing to be used in all documents, publications, and public communications related to Chiropractic. Logan College of Chiropractic will remain distinct as the principal educational unit.

## *Administration*

Logan is governed by a Board of Trustees consisting of Doctors of Chiropractic and professionals from other fields. The President of the College is the Chief Administrative Officer, and is supported by an administrative team comprised of the Vice President

of Academic Affairs, Vice President of Chiropractic Affairs, Vice President of Enrollment Management, Vice President of Administrative Affairs, Vice President of Institutional Advancement, Associate Vice President of Public Relations, Assistant Vice President of Academic Affairs, Dean of University Programs, Dean of Research and Development, Chief Financial Officer, and the General Counsel.

Logan is organized through a series of academic, business, and auxiliary departments. These provide for efficiency in conducting business matters of the College, the academic education of the students, the clinical internship of the students, and the auxiliary activities related to the total campus operation.

## *Faculty*

Employment as a member of the Logan faculty is a privilege extended to select individuals who are well-qualified and committed to fulfillment of the vision and mission of the institution.

Almost all faculty members have earned doctoral degrees in specialized disciplines, and many have completed additional advanced degree or certification education.

The primary objectives of Logan's faculty members are to: (1) provide quality professional education to Logan's students; (2) develop the professional abilities of Logan's students; and (3) participate in research and/or scholarly activity.

Many faculty members are also actively involved in service activities through their participation in professional, civic, and charitable organizations.

## *Logan Campus*

Logan offers students an impressive academic environment in an attractive suburban setting. The Chesterfield campus, which is 30 minutes from downtown St. Louis, Missouri, is situated on 112 acres of wooded hilltop property. Picnic areas, groves of fruit trees, a scenic walking trail, a cross country course, and a stocked lake highlight the tranquility of the natural setting. Parking is abundant throughout the campus.

## *Facilities*

Logan's facilities include: administration, faculty and support staff offices; classrooms; technique, science, research, and ergonomic laboratories; Learning Resources Center; Health Centers; BIOFREEZE® Center; Science and Research Center;

William M. Harris, DC Sports/Wellness Complex; William D. Purser, DC Center; Charlie's Grab N Go;

Standard Process® Student Center; Bookstore; Archives; Cafeteria, and in 2012 an Assessment Center.

### **Administrative, Faculty, and Support Staff Offices**

The William N. Coggins Administrative Center houses the offices of the President, the Vice President of Academic Affairs, The Vice President of Enrollment Management, the Vice President of Administrative Affairs, the Chief Financial Officer, the Vice President of Institutional Advancement, the Associate Vice President of Academic Affairs, Dean of University Programs, the General Counsel, the Office of Academic Affairs, the Office of Institutional Analysis & Assessment, the Admissions Office, the Financial Aid Office, the Registrar's Office, Director of Student Services and the Office of Student Services, the Dean of Academic Advising and Academic Coordinator, faculty offices and classrooms, Learning Resources Center, Public Relations, Accounting, the Bursar's Office, General Support Services, Information Systems, Media Production, Human Resources, Alumni Association, Bookstore, Cafeteria, Physical Plant Offices, and the Standard Process Student Center.

The Health Center houses the offices of the Health Center Chief of Administrative Services, Health Center Chief of Clinical Services, Director of Student Health, Director of Health Centers Marketing, the Health Center clinicians, Diagnostic Imaging and Laboratory Services, the Archives, classrooms, and the BIOFREEZE Sports and Rehabilitation Center.

The Science and Research Center houses the offices of the Dean of Research and the Research Division, faculty offices, basic science and chiropractic science laboratories, and a X-ray positioning/physics laboratory.

Postdoctoral and Related Professional Education is housed in the Administrative Center Office Annex along with the Vice President of Chiropractic Affairs. The William M. Harris, DC Sports/Wellness Complex houses the Sports/Wellness Director.

The William D. Purser, DC Center houses the Director of Purchasing and General Support Services and the Event and Graduation Planner.

### **Classrooms**

"Amphitheater style" defines the classroom organization. Each trimester class is assigned to a "home room" classroom for lecture presentation. The various

curricular laboratories are scheduled throughout the academic buildings. All classrooms are provided with modern, ergonomic chairs and conference-style tables.

Fourteen advanced technology classrooms have been created that are capable of displaying information through a variety of formats (computer, Internet, VCR's, DVD's, slides, document camera, transparency, and three dimensional objects) from a console located in each of these rooms. Four of these classrooms are equipped with video conferencing technology, permitting multimedia presentations between classrooms, as well as to and from the world beyond the walls of the University.

### **Anatomy Laboratory and Amphitheater**

The anatomy laboratory is a modern dissection facility furnished with 40 workstations for cadaveric dissection as well as dissection instrumentation. Adjacent to the laboratory is a demonstration amphitheater with seating capacity of 70. The theater is equipped with a modern audiovisual system, a projection area, and video conferencing technology. In addition to its use in the gross anatomy courses, the amphitheater also serves as a venue for spinal anatomy and neuroanatomy laboratories.

### **Chemistry Laboratory**

The chemistry laboratory can accommodate up to 20 students at independent work stations and has an equipped demonstration area. General chemistry, organic chemistry, and biochemistry laboratories are taught in this facility. Adjoining the laboratory are a stock room and an office space.

### **Histology/Hematology/Urinalysis Laboratory**

This laboratory is utilized by both the Basic Science and Clinical Science Divisions. The laboratory accommodates 48 students at individual work stations and has a suitable demonstration area. The multipurpose laboratory houses a collection of thousands of histology slides. Microscopy demonstration and preparation rooms are integral parts of the laboratory.

### **Microbiology Laboratory**

The microbiology laboratory is a well-designed area furnished with modern equipment including microscopes, centrifuges, and other items. A consultation room, incubation room, preparation room, and storage room are attached to the laboratory.

### **Radiology Learning Laboratory**

This laboratory maintains a large teaching file of X-ray films and is equipped with a supply of view boxes for individual student study.

### **Research Laboratories**

Numerous areas on campus are designated and utilized as research laboratories, offices, and/or data collection sites. Each area has the facilities, equipment, and personnel needed for the conduct of specific investigations consistent with Logan's research mission. Currently the three major areas of investigation are institutional studies, faculty studies, and senior student research studies.

### **Technique Demonstration Laboratories**

Two large adjusting laboratories and several smaller laboratories are equipped with special adjusting tables and apparatus for core and specialized chiropractic techniques. These laboratories are used for both visual demonstrations and hands-on application. The two large laboratories are equipped with the capability of visual support via two television cameras to monitors on demonstration platforms. Technique Demonstration Labs are in the lower level of the Science Building.

### **Learning Resources Center**

The LRC houses the Library, the Computer Lab, and the Distance Learning Hub, and is centrally located on the first floor of the Administration Center. The College Archives is an integral part of the LRC, and is located in Room G106.

Newly renovated and dedicated in 2004, the LRC provides a collection of approximately 13,000 volumes of books, 140 individual journal subscriptions, over 34,000 electronic journals through databases, and 1,900 items in the media collection. In addition, an outstanding collection of 600 natural human bones, synthetic models, and laminated charts are available. Also included in the collection are publications from state and other chiropractic organizations and associations, and subject files of helpful brochures, booklets, and reprints.

The library is an active member of the Missouri Bibliographic Information User System (MOBIUS). The network is comprised of over 60 college and university libraries in the state of Missouri, and provides Internet access to the online catalogs of each of the libraries. Through MOBIUS, Logan students and faculty/staff can borrow books, directly or online, from any of the participating libraries. Additionally, but separate from

MOBIUS, an efficient interlibrary loan program offers members of the Logan community access to books, within and beyond Missouri libraries, and photocopies of articles that are not available in the Logan collection.

Logan patrons have the capability of checking their library account, placing holds, and renewing materials via the online catalog. The catalog is accessible from any Internet computer, on or off campus.

Group and individual study facilities are available, including separate rooms furnished with computers and media equipment. Two rooms are designed to accommodate gross anatomy students and others who wish to utilize the various anatomical models and charts. Also featured is a spacious reading area allowing individuals a location to peruse the current journals issues and read in a more relaxed atmosphere.

A variety of electronic databases is available to offer an organized mechanism for research. These databases can be accessed on the LRC computers.

The Computer Lab makes available 75 computer stations, providing Internet access as well as special instructional materials. Stations are distributed throughout both floors of the LRC.

The Distance Learning Hub is housed in a separate room of the LRC and is furnished with state-of-the-art equipment.

### **Archives**

Logan houses a historical museum collection of chiropractic memorabilia, a library of early writings, and yesteryear equipment for the preservation of the profession's past.

### **Computer Laboratory**

The Computer Laboratory is housed in the LRC and makes available 75 computer workstations, distributed throughout both floors of the LRC, for use. Both wired and wireless Internet access is provided, as well as a variety of software programs. Some of the software available includes:

- Internet Explorer 8.0 • Windows Media Player 9 • Desktop Magnifier • Microsoft Word 2007 • Microsoft Excel 2007 • Microsoft PowerPoint 2007 • PowerDVD • FoodWise • Basic Neurological Anatomy • Nutrition Spreadsheet • Winzip • Adobe Acrobat Reader 9

Each computer has links to PubMed, Mantis, Index to Chiropractic Literature, EBSCOhost, ChiroWeb, ChiroDirectory, and the Library's online catalog. Library staff members are available for research assistance. Five high speed printers are available. Members of the Information Systems staff are stationed in the Computer Laboratory to assist with computer and printer/copier questions and problems.

### **Media Production**

The Media Productions office is located on the north end of the Ground Floor and provides a variety of instructional technology services for faculty, staff, and administrative departments.

The Media department provides support for Online and Web-Enhanced courses using Blackboard®. Logan's services include: student orientation for online education, faculty training and support, and system administration of Blackboard.

All classroom and media production equipment is acquired and maintained by trained personnel. The Media Production staff maintains and troubleshoots classroom equipment, Purser Center presentation technology, and the Faculty Media (instructional materials preparation) room. Assistance is offered to faculty and student users of classroom technology. Production services include photography, audio, video, and graphic arts support, as well as assistance in photo scanning, slide and video digitizing, and storage of instructional materials on Flash drives, CD's, and DVD's. Commercial services include portraits needed for national examinations and ID applications.

Information on all services and operational procedures is available in the Media Production Office, located in Room G38.

### **Bookstore**

The Logan Bookstore is open daily during the school term and carries textbooks, reference books of special interest, supplies, fax service, stamps, snacks, beverages, and other miscellaneous items. A complete line of athletic leisurewear is available, along with many items displaying the chiropractic insignia and the Logan logo. Orders can be made by accessing the bookstore's website at [www.loganonlinebookstore.com](http://www.loganonlinebookstore.com).

### **Cafeteria and Charlie's Grab N' Go**

The Logan Cafeteria is located on the lower level of the administration building and serves breakfast, lunch, and snacks. Microwave ovens, large refrigerators, and coin-operated vending machines are located in the Vending Room (G30A) across the hall from the cafeteria. Charlie's Grab N' Go and additional vending machines are located within the Standard Process Student Center on the first floor of the administration building, and sandwiches, beverages, and snacks are available for purchase. When classes are in session the hours of operation for the cafeteria and Charlie's Grab N' Go are from 6:45 a.m. to 2:00 p.m. Monday through Thursday and 6:45 a.m. to 1:00 p.m. on Friday.

### **Standard Process Student Center**

The Standard Process Student Center opened in 2008 and provides space for students to gather and enjoy recreation, grab a healthy snack, check the latest news and sports scores, or just visit with their classmates. The Student Center, which is part of Logan's ongoing effort to both improve and enhance the overall student experience, features a mezzanine level with all natural light throughout the space and a cascading waterfall. Additional amenities include a bank of high definition televisions, a game room, high speed Internet access, collaborative study tables, meeting rooms, and Charlie's Grab n' Go for healthy sandwiches, salads and fruits, specialty coffees, and a variety of drinks.

### **Science and Research Center**

The Research Laboratory comprises 2,100 square feet of the 33,000 square-foot Science and Research Center. The facility houses a laboratory containing extensive state-of-the-art equipment used by faculty and students in conducting studies of the effects of chiropractic care on relevant physiological parameters. Equipment utilized includes technology for reliable and valid measures of electrophysiology, balance and equilibrium, range of motion, proprioception, pain sensitivity, posture, sympathetic-parasympathetic tone, and computer modeling of spinal biomechanics. Studies conducted emphasize the scientific information needs of chiropractic education, research, and practice.

The Science and Research Center also provides research consulting and educational services to the local community, as well as collaborators at other institutions including Mayo Clinic, Saint Louis University, the St. Louis Veteran's Administration, and University of Missouri-Columbia. Logan's research faculty provides consulting and mentoring

to students, clinic and teaching faculty, field practitioners, and corporate/industrial clients by developing partnerships to conduct innovative research and expand the evidence base for chiropractic care.

### **Logan Health Centers**

Logan operates a health center system consisting of eight clinics. The health-care facility located on the campus in Chesterfield houses the BIOFREEZE Sports and Rehabilitation Center, offices for the professional staff, Diagnostic Imaging, and Clinical Laboratory, as well as individual treatment rooms. The 33,000 square-foot facility is one of the most comprehensive chiropractic teaching clinics in the world.

The other seven health centers are located throughout the greater metropolitan St. Louis area to provide ambulatory clinics representative of the various communities in which a Doctor of Chiropractic may practice. One of the clinics is affiliated with a Salvation Army rehabilitation center and provides health services. The clinic at the Veterans Administration Center (VAMC) at Jefferson Barracks allows our interns to provide care to those who served in the US Armed Forces.

The College has also developed a clinic in conjunction with the St. Patrick's Partnership Center, and recently affiliated with the Community Health-In-Partnership Services (CHIPS) Health & Wellness Center. Both facilities house several community service providers, and through these two organizations Logan offers free clinic services to any member of the St. Louis community.

### **William M. Harris, DC Sports/Wellness Complex**

The William M. Harris, DC Sports/Wellness Complex was completed in 2000 and was named in honor of Dr. William M. Harris of Alpharetta, Georgia. The late Dr. Harris was president of the Foundation for the Advancement of Chiropractic Education, which has given more than \$5,000,000 to chiropractic educational causes. A fundraising challenge issued by Dr. Harris helped Logan succeed in its campaign to raise funds for construction of the Sports/Wellness Complex. The facility includes an indoor work-out center, administrative office, conference room, and lounge area. The outdoor area of the complex offers a full-length basketball court, tennis courts, two sand volleyball courts, a picnic pavilion, baseball and soccer fields, and a quarter-mile jogging track.

### William D. Purser, DC Center

The Purser Center, a learning and business conference center, opened in April 2007 as part of a major addition to campus facilities. The Center houses the Dr. Howard F. Loomis, Jr. Outdoor Amphitheatre and the Dr. S. (Syl) G. Walters 900-seat Main Hall Auditorium, the North and South Mabee Halls, each of which seats 300, and a spacious lobby large enough to seat 500 guests at a formal dinner.

The design of the new William D. Purser, DC Center is exceptional, combining modern style with classic beauty. Its form and function make the Purser Center a landmark that serves to promote learning and professional interaction. The Purser Center has garnered a number of awards, both regional and national, to acknowledge the extraordinary vision of those who built it, including a construction management award given by the Construction Management Association of America (CMAA).



## 2 ACADEMIC PROGRAMS

### *Undergraduate Programs*

#### Accelerated Science Program

The Accelerated Science Program (ASP) enables the motivated student to earn two trimesters (one academic year) of credit in selected science courses in one trimester. The science credits are applicable toward the BS degree in Human Biology or the BS degree in Life Science, and may also fulfill science requirements toward admission to the Doctor of Chiropractic degree program. (Approximately 95% of ASP students continue into the Doctor of Chiropractic program.) Students are encouraged to contact other academic institutions regarding the transfer applicability of ASP coursework toward an undergraduate, graduate, or professional program of study.

The program is highly concentrated and requires a commitment of 16-20 hours of study per week per subject. The maximum number of science courses allowed is two per eight week session. The courses offered are shown in the following table.

Course Number	Course Title	Lec Credit	Lab Credit	Total Credit
The following courses are offered the first half of all terms				
UG04210_02	Human Biology I Lec	3	0	3
UG04210L02	Human Biology I Lab	0	1	1
UG07110_02	General Chemistry I Lec	3	0	3
UG07110L02	General Chemistry I Lab	0	1	1
UG07310_02	Organic Chemistry I Lec	3	0	3
UG07310L02	Organic Chemistry I Lab	0	1	1
UG08110_02	Physics I Lec	3	0	3
UG08110L02	Physics I Lab	0	1	1
The following courses are offered the second half of all terms				
UG04310_02	Human Biology II Lec	3	0	3
UG04310L02	Human Biology II Lab	0	1	1
UG07120_02	General Chemistry II Lec	3	0	3
UG07120L023	General Chemistry II Lab	0	1	1
UG07320_021	Organic Chemistry II Lec	3	0	3
UG07320L023	Organic Chemistry II Lab	0	1	1
UG08220_021	Physics II Lec	3	0	3
UG08220L02	Physics II Lab	0	1	1

#### Baccalaureate Degree Programs

##### *Educational Goals and Objectives*

1. To offer the student the choice of an accredited broad based or focused degree;
2. To develop within the learner a sound understanding of scientific principles expected of a quality basic science curriculum in institutions of higher education;
3. To require a level of academic achievement consistent with standards of performance expected in advanced science curricula;
4. To provide a qualified and competent faculty in both life science and physical science fields;
5. To maintain a teaching and learning environment with technologically advanced classrooms;
6. To train students using modern laboratory facilities which include a human gross anatomy amphitheater;
7. To prepare students for entrance into graduate and professional programs or other related career choices; and
8. To satisfy licensure requirements of most states for the Doctor of Chiropractic.

##### *Bachelor of Science Degree in Human Biology*

The Bachelor of Science (BS) degree in Human Biology is a comprehensive program of study requiring successful completion of a minimum of 124 credit hours. Prerequisite

coursework includes English, Psychology, Social Science, Humanities, Biology, General and Organic Chemistry, College Algebra, and Physics. Related laboratory experience is required in each of the prerequisite science courses. The BS degree major coursework for both Human Biology and Life Science is completed during the first four trimesters of study in the Doctor of Chiropractic degree program at Logan. Coursework is applicable to both the Doctor of Chiropractic and Baccalaureate degrees. Enrollment in the undergraduate program is open to students who wish to pursue only a BS degree. The Human Biology degree provides a unique background of study for those students seeking to enter the work force, preparing for graduate studies, or applying for admission to professional health programs such as Medicine, Osteopathy, Podiatry, Dentistry, or Chiropractic.

### *Bachelor of Science Degree in Life Science*

The BS degree in Life Science is a broad based program of study requiring successful completion of a minimum of 119 credit hours. The curriculum provides a generalized study of the biological sciences, allowing flexibility in the prerequisite coursework selection. The degree is designed to accommodate those students seeking to enter the work force with a baccalaureate degree in general biological or health sciences. Completion of this degree program provides an introductory background of chemistry and physics principles and is frequently selected by those students satisfying specific state licensure requirements. The coursework is suitable for those interested in achieving a general familiarity with biological topics in preparation for employment or entrance into health related programs requiring an introductory level of study. Coursework is applicable to both the Doctor of Chiropractic and Baccalaureate degrees.

### *Required Coursework for the Bachelor of Science Degrees*

Course Number	Course Title	Total Credits
BS01401_02	Anatomy I	5.5
BS02403_02	Anatomy II	5.5
BS01501_02	Biochemistry I	4
BS02503_02	Biochemistry II	4
BS01502_02	Histology/Cell Biology	5
BS03404_02	Embryology	2
BS02405_02	Neuroanatomy	5
BS02504_02	Physiology I	4
BS03506_02	Physiology II	6
BS04507_02	Physiology III	4
BS02601_02	Microbiology I	4
BS03602_02	Microbiology II	5
BS03604_02	Public Health	3
BS03603_02	Pathology I	4
BS04605_02	Pathology II	4

Applicants shall have five calendar years from the date of application to complete all requirements for the BS degree. If requirements are not satisfactorily completed within the allotted five years, the application is invalidated, and the applicant must reapply. The applicant shall be responsible to fulfill all new requirements (academic and administrative) that currently apply to the BS degrees.

### *Doctors of Chiropractic Seeking a Bachelor of Science Degree*

Graduates of Logan College of Chiropractic with the Doctor of Chiropractic degree may seek to qualify for a BS degree. The application process is initiated through the Office of the Registrar. Following the application, the transcripts of all coursework taken prior to entering Logan, as well as coursework from the Doctor of Chiropractic curriculum, will be reviewed. The applicant must submit official transcripts of all coursework taken at institutions other than Logan. A determination will be made as to the measures needed to complete a BS degree program.

Graduates of Logan must fulfill the requirements of the BS degree that were in existence at the time of application for the baccalaureate degree. If five or more years have elapsed since the application, the student must reapply and shall be responsible to fulfill all new requirements (academic and administrative) currently in effect for the BS degree.

In certain instances the graduate may have completed the majority of requirements for a BS degree at the time of application. Examples include those applicants who have taken coursework from accredited institutions of higher education since graduation from Logan or who elected not to apply for a BS degree while enrolled at Logan. There are several possible circumstances that will determine the process required to complete the BS degree program for those applicants who are graduates of Logan's Doctor of Chiropractic program:

- If the application to the BS degree program is filed for the first time, the applicant must meet all current requirements for the degree;
- If the application for a baccalaureate degree is filed five or more years following completion of a previous application, the applicant must meet all current requirements for the degree;
- If the applicant is considered as eligible to receive a BS degree at the time of application, a minimum of three (3) credit hours of Senior Seminar will be required.

Additional requirements may be applied as determined upon review of the applicant's file by the Office of the Vice President of Academic Affairs.

All graduates seeking to earn a BS degree must re-enroll as part of the application process. Enrollment and application fees apply.

### *Baccalaureate Commencement Program*

A formal ceremony is held annually to award the BS degrees to all current recipients. A program of recognition is provided by Logan for graduates and their guests with faculty and administration in attendance. Academic attire consisting of cap and gown is provided. A reception immediately follows the academic ceremony. Attendance is expected in order that recipients may be recognized officially by the faculty and the degree conferred by the President.

### *Graduation Ceremonies*

In addition to the above-described undergraduate ceremony, Logan also holds commencement ceremonies for the Doctor of Chiropractic and the Master of Science degrees at the conclusion of each trimester. All program arrangements are made by Logan. Logan will host a reception immediately following the academic ceremonies. Attendance is expected in order that recipients may be recognized officially by the faculty and the degree conferred by the President.

### *Undergraduate Curriculum Table*

Course Number	Course Title	Lec Credit	Lab Credit	Total Credit
UG01101_02	Introduction to Public Speaking	3	0	3
UG01102_02	Medical Terminology	4	0	4
UG01301_02	Advanced Public Speaking	3	0	3
UG01310_02	Advanced Marketing	3	0	3
UG01315_02	Promotional Marketing	3	0	3
UG02310_02	History of Chiropractic	3	0	3
UG02420_02	Research Theory	3	0	3
UG03101_02	Styles of Jazz	2	0	2
UG03310_02	Medical Ethics	3	0	3
UG04210_02	Human Biology I Lec	3	0	3
UG04210L02	Human Biology I Lab	0	1	1
UG04310_02	Human Biology II Lec	3	0	3
UG04310L02	Human Biology II Lab	0	1	1
UG05101_02	General Psychology	3	0	3
UG05401_02	Mind/Body Psychology I	3	0	3
UG05402_02	Mind/Body Psychology II	3	0	3
UG06110_02	Contemporary Mathematics	3	0	3
UG06120_02	College Algebra	3	0	3

UG06410_02	Statistics	3	0	3
UG07110_02	General Chemistry I Lec	3	0	3
UG07110L02	General Chemistry I Lab	0	1	1
UG07120_02	General Chemistry II Lec	3	0	3
UG07120L02	General Chemistry II Lab	0	1	1
UG07310_02	Organic Chemistry I Lec	3	0	3
UG07310L02	Organic Chemistry I Lab	0	1	1
UG07320_02	Organic Chemistry II Lec	3	0	3
UG07320L02	Organic Chemistry II Lab	0	1	1
UG08110_02	Physics I Lecture	3	0	3
UG08110L02	Physics I Laboratory	0	1	1
UG08220_02	Physics II Lecture	3	0	3
UG08220L02	Physics II Laboratory	0	1	1
UG08320_02	Fundamentals of Biomechanics	3	0	3
UG09301_02	Special Topics	1-4	0	1-4
UG09401_02	Senior Seminar	3	0	3
UG09501_02	Topics in English Language	1-3	0	1-3

## *Doctor of Chiropractic Degree Program*

### **The Mission**

Logan College of Chiropractic prepares students to become Doctors of Chiropractic who are superbly educated and clinically competent practicing portal-of-entry chiropractic physicians. This mission is accomplished through our dedicated faculty recognized for student-centered excellence; comprehensive science-driven, knowledge-based, and information-facilitated curriculum; enhanced by community and public service. The institution is committed to the conduct of research and other scholarly activities.

### **The Curriculum**

During the past four years, the Logan leadership has been involved in intensive review and revision of its curriculum. Attempts have been made to reduce some redundancy and at the same time meet the changing demands of the profession, state chiropractic boards, and various reporting agencies. As a result of these efforts, the Basic Science, Clinical Science, Chiropractic Science, and Health Center courses are now more integrated to help students better prepare for comprehensive and national board examinations.

In addition to courses directly impacting chiropractic skills, attention has been given to Logan's business curriculum. Since many Logan graduates enter their own practices, courses are offered to prepare them in small business management, insurance, loan procurement, billing, documentation, and relevant legal issues. Patient management and care are reinforced during the Health

Center practica. Business courses are offered under the heading of “Professional Development” in each trimester.

The modifications in curriculum design benefit the students of Logan in both their college and professional careers. Since some curriculum changes have been phased in, students should check with their advisors to make sure all requirements of their programs have been completed.

### Educational Goals

#### Statement of Purpose for the DCP

1. A Doctor of Chiropractic, as a member of the healing arts, is a physician concerned with the health needs of the public. Particular attention is given to the relationship of the structural and neurological aspects of the body in health and disease.
2. The purpose of the professional education is to prepare the Doctor of Chiropractic to practice primary care healthcare as a portal-of-entry provider for patients of all ages and gender.
3. As a primary care provider to the health delivery system, the chiropractic physician must be well-trained to formulate a clinical diagnosis and to develop a goal-oriented case management plan that includes treatment, prognosis, risk management, lifestyle counseling, and any necessary referrals for identified diagnosis and health problems.
4. Logan endeavors to provide an educational environment that promotes both excellence in the practice of chiropractic in its present state, and further progress in the art of chiropractic as a separate and distinct healing approach.
5. The Doctor of Chiropractic will promote health, wellness, and disease prevention by assessing health indicators and providing general and public health information directed at improving the quality of life.
6. The Doctor of Chiropractic serves as a competent, caring, patient-centered and ethical healthcare professional that maintains an appropriate doctor-patient relationship.

**Goal 1.** Provide a thorough basic science foundation that stresses neural integration, nutritional principles and therapy, anatomy, physiology, and pathology, paying particular attention to the relationship of the structural and neurological aspects of the body in health and disease.

**Goal 2.** Emphasize through its educational program a thorough understanding of body mechanics, competence in differential diagnosis, and an extensive clinical

experience including patient management, treatment, and the utilization of adjunctive therapeutics.

**Goal 3.** Develop in each individual student a sound philosophy of chiropractic practice, independence of judgment, discriminating personal habits, and a desire to work in the best interest of patients and the profession.

**Goal 4.** Develop, organize, and continue fundamental and clinical research programs in the field of chiropractic for the benefit of the public and to augment undergraduate and graduate programs.

**Goal 5.** Respond to the needs of the community in the area of health programs and cooperate with health officials of the city, county, and state in carrying out programs without discrimination or bias of race, creed, ethnic group, social, or economic state.

### Doctor of Chiropractic Curriculum Tables

The following tables present the time requirements and values of each subject in a student’s education in the Doctor of Chiropractic (DC) degree program at the time of printing of the *Catalog*. Course descriptions follow in the next section. The curriculum is in a state of continuous, progressive development and therefore the following tables may not be current.

#### Trimester 1

Course Number	Course Title	Contact Hr/Week		Contact Hr/Term	Credit Hr/Term
		Lec	Lab		
BS01401_02	Anatomy I	3	5	120	5.5
BS01501_02	Biochemistry I	3.5	1	67.5	4
BS01502_02	Histology/Cell Biology	4	2	90	5
CH01000	Professional Development	1	0	15	1
CH01101_02	Philosophy I	3	0	45	3
CH01201_02	Spinal Analysis	1	3	60	4
CH01702_02	Spinal Anatomy	3	1	60	4
Total Hours		18.5	12	457.5	26.5

#### Trimester 2

Course Number	Course Title	Contact Hr/Week		Contact Hr/Term	Credit Hr/Term
		Lec	Lab		
BS02403_02	Anatomy II	3	5	120	5.5
BS02405_02	Neuroanatomy	4	2	90	5
BS02503_02	Biochemistry II	4	0	60	4
BS02504_02	Physiology I	4	0	60	4
BS02601_02	Microbiology I	3	2	75	4
CH02000	Professional Development	1	0	15	1
CH02102_02	Philosophy II	2	0	30	2
CH02301_02	Diversified Technique I	1	1	30	2
Total Hours		22	10	480	27.5

#### Trimester 3

Course Number	Course Title	Contact Hr/Week		Contact Hr/Term	Credit Hr/Term
		Lec	Lab		
BS03404_02	Embryology	2	0	30	2
BS03506_02	Physiology II	6	0	90	6
BS03602_02	Microbiology II	3	4	105	5
BS03603_02	Pathology I	4	0	60	4
BS03604_02	Public Health	3	0	45	3
CH03000	Professional Development	1	0	15	1
CH03103_02	Philosophy III	2	0	30	2
CH03202_02	Orthopedics I	1	2	45	3
CH03302_02	Diversified Technique II	1	3	60	4
CH03303_02	Logan Basic Technique I	2	0	30	2
Total Hours		25	9	510	32

#### Trimester 4

Course Number	Course Title	Contact Hr/Week		Contact Hr/Term	Credit Hr/Term
		Lec	Lab		
BS04505_02	Basic Nutrition	2	0	30	2
BS04507_02	Physiology III	4	0	60	4
BS04605_02	Pathology II	4	0	60	4
CH04000	Professional Development	1	0	15	1
CH04104_02	Philosophy IV	2	0	30	2
CH04203_02	Orthopedics II	3	1	60	4
CH04304_02	Diversified Technique III	1	2	45	3
CH04305_02	Logan Basic Technique II	1	2	45	3
CL04702_02	NMS Diagnosis	4	0	60	4
CL04801_02	Fund Diagnostic Imaging	4	0	60	4
Total Hours		26	5	465	31

#### Trimester 5

Course Number	Course Title	Contact Hr/Week		Contact Hr/Term	Credit Hr/Term
		Lec	Lab		
CH05000	Professional Development	1	0	15	1
CH05204_02	Biomechanics	2	0	30	2
CH05306_02	Diversified Technique IV	1	3	60	4
CH05307_02	Logan Basic Technique III	1	2	45	3
CL05701_02	Physical Diagnosis I	3	2	75	5
CL05704_02	Cardiorespiratory Diagnosis	4	0	60	4
CL05705_02	Laboratory Diagnosis	4	1	75	5
CL05707_02	Pharmacology/ Toxicology	2	0	30	2
CL05802_02	Diagnostic Imaging I	3	0	45	3
CL05803_02	Radiographic Positioning	1	1	30	2
HC05901_02	Health Center Practicum I	2	0	30	2
Total Hours		24	9	495	33

#### Trimester 6

Course Number	Course Title	Contact Hr/Week		Credit Hr/Term	Credit Hr/Term
		Lec	Lab		
CH06000	Professional Development	1	0	15	1
CH06100	Community Health and Wellness Promotion	2	1	45	3
CH06308-02	Diversified Technique V	1	1	30	2
CH06402-02	Physical Therapy I	1	1	30	2
CH06503-02	Jurisprudence and Ethics	2	0	30	2
CL06401-02	Clinical Reasoning	1	3	60	4
CL06704_02	Physical Diagnosis II	4	2	90	6
CL06709-02	EENT Diagnosis	2	0	30	2
CL06710-02	Neurology	2	0	30	2
CL06711-02	Pediatrics	2	0	30	2
CL06804_02	Diagnostic Imaging II	3	0	45	3
HC06902-02	Health Center Practicum II	2	2	60	4
Total Hours		23	10	495	33

#### Trimester 7

Course Number	Course Title	Contact Hr/Week		Contact Hr/Term	Credit Hr/Term
		Lec	Lab		
BS07001_01	Research Methodology	2	0	30	2
CH07000	Professional Development	1	0	15	1
CH07310	Soft Tissue Technique	1	0	15	1
CH07311	Gonstead Technique	2	0	30	2
CH07312	Applied Kinesiology Tech	2	0	30	2
CH07402	Physical Therapy II	1	2	45	3
CH07504_02	Patient Comm Skills	2	0	30	2
CH97600	Specialized Technique I	1	2	45	3
CL07708	GI-UG Diagnosis	5	0	75	5
CL07709	Endocrinology	2	0	30	2
CL07719	Geriatrics	2	0	30	2
CL07805_02	Diagnostic Imaging III	5	0	75	5
HC07904	Health Center Practicum III	2	5	105	4
Total Hours		27	10	555	34

### Trimester 8

Course Number	Course Title	Contact Hr/Week		Contact Hr/Term	Credit Hr/Term
		Lec	Lab		
BS08002_02	Senior Research Project I	0	1	15	1
CH08000	Professional Development	1	0	15	1
CH08313r	Chiropractic Case Mgmt	2	0	30	2
CH08401	Athletic Injuries	1	0	15	1
CH08403	Physical Therapy III	1	2	45	3
CH98600	Specialized Technique II	1	2	45	3
CL08701	Clinical Nutrition I	3	0	45	3
CL08712	Rheumatology	2	0	30	2
CL08713X	Ob/Gyn: Clinical	2	0	30	2
CL08714	Dermatology	2	0	30	2
CL08806	Diagnostic Imaging IV	3	0	45	3
CL08706_02	Comp Mod I: Lab Interp I	0	1	15	1
CL08807_02	Comp Mod II: Radiology Conf	0	1	15	1
CL08808_02	Comp Mod III: Positioning	0	1	15	1
HC08905_02	Comp Mod IV: Case Report	0	1	15	1
HC08905_01	Health Center Practicum IV	0	12	180	4
HC08906_02	Comp Mod VI: Marketing	0	1	15	1
Total Hours		18	22	600	32

### Trimester 9

Course Number	Course Title	Contact Hr/Week		Contact Hr/Term	Credit Hr/Term
		Lec	Lab		
BS09003_02	Senior Research Project II	0	1	15	1
CH09000	Professional Development	1	0	15	1
CH09205_02	Advanced Biomechanics	1	2	45	3
CH09208	Advanced Orthopedics	2	0	30	2
CH09507_02	Office Management	4	0	60	4
CH09508_02	Business Mgmt Capstone I	1	0	15	1
CH99600	Specialized Technique III	1	2	45	3
CL09702	Clinical Nutrition II	3	0	45	3
CL09716	Differential Diagnosis	2	0	30	2
CL09717	Clinical Psychology	3	0	45	3
CL09708_02	Comp Mod V: Lab Interp II	0	1	15	1
HC09906_01	Health Center Practicum V	0	12	180	4
Total Hours		18	18	540	28

### Trimester 10

Course Number	Course Title	Contact Hr/Week		Contact Hr/Term	Credit Hr/Term
		Lec	Lab		
BS10004_02	Senior Research Project III	0	3	45	3
CH10505_02	Billing and Documentation	2	0	30	2
CH10509_02	Business Mgmt Capstone II	1	0	15	1
CL10713Y	Ob/Gyn: Health Topics	2	0	30	2
HC10907_01	Health Center Practicum VI	0	20	300	7
HC10100	Emergency Procedures	1	0	15	1
Total Hours		6	23	435	16

### Elective

CL99901_02	Minor Surgery	4	0	60	4
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## Master of Science Degree Programs

### Sports Science and Rehabilitation Program Overview

The Master of Science in Sports Science and Rehabilitation (MSR) program is an interdisciplinary, comprehensive graduate program designed to provide a unique advanced degree option for sports injury management and the experience, training, and confidence demanded of athletic rehabilitation health care specialists.

It is offered as an independent graduate degree or in combination with the DC degree program in a dual degree format. The recipient of the MSR degree will possess those skills essential for the assessment, treatment, conditioning, and injury management of athletes.

Logan offers an exceptional opportunity for students to work with current athletes in the St. Louis metropolitan area and outlying regions. Throughout the program, students will be afforded numerous opportunities to participate in multidisciplinary clinical settings with professional, semi-professional, collegiate, and high school sports teams. The on-campus BIOFREEZE Sports and Rehabilitation Center is especially designed to treat athletic injuries while providing valuable experience to student clinicians under the direct supervision of highly qualified faculty.

Earning the Master's degree is accomplished through completion of a curriculum of at least 50 credit hours focused both on theory and on the practical application of skills essential to the assessment, prevention, and rehabilitation of sports injuries. Emphasis is placed on the development of a practical knowledge base from the study of anatomy, physiology, orthopedics, and biomechanics to gain an integrated approach to recovery and wellness.

By preparing students to evaluate and treat the rehabilitation of musculoskeletal pathology as well as of chronic pain, this program offers a unique health care and conditioning opportunity to work with athletes of varied skill levels.

Whether one's professional goals include those of teaching, coaching, personal training, sports administration, recreational therapy, corporate wellness programs, ergonomics and exercise counseling, or related health and wellness fields, this degree offers the broadening of professional qualifications and identity sought after in an increasingly competitive market place.

Students currently pursuing the DC degree or graduates of a DC program have the opportunity to apply for admission to the MSR program. Those qualified matriculating students

will have unique and relevant experiences in the prevention and rehabilitation of sports and recreational injuries.

In a comprehensive curriculum that is both academically challenging and practical, all students will be exposed to multiple aspects of sports science and rehabilitation. Enrollment is limited to those individuals who present a level of commitment consistent with the standards of performance expected in graduate science degree study. A dedication to academic achievement, maturity, and an attitude of professionalism are qualities which the successful candidate is expected to possess.

A full description of prerequisites for acceptance to the MSR degree program, including coursework, is provided in the "Admission Requirements" section of the *Catalog*.

The practicing physician may transfer no more than 24 hours of equivalent coursework from the curriculum of the degree granting institution.

### Educational Goals

Goal 1. Students will learn body mechanics as it relates to athletic performance.

Goal 2. Students will recognize how injuries impact human mechanics and performance.

Goal 3. Students will demonstrate their knowledge and application of rehabilitation approaches.

### MSR Curriculum Table

Course Number	Course Title	Lec	Hands-on	Total
		Credit	Credit	Credit
MSR5000	Anatomy of Human Motion Lec	3	0	3
MSR5020	Anatomy of Human Motion Prosection	0	1	1
MSR5100	Psychology of the Athlete	2	0	2
MSR5200	Exercise-Cardiorespiratory Physiology	2	1	3
MSR5300	Research Methodology	2	0	2
MSR5350	Jurisprudence	2	0	2
MSR5400	Clinical Nutrition	3	0	3
MSR5500	Orthopedics	4	0	4
MSR5520	Biomechanics	2	0	2
MSR5540	Advanced Biomechanics	2	1	3
MSR5600	Physical Therapy I	1	1	2
MSR5620	Physical Therapy II	2	1	3
MSR5640	Physical Therapy III	2	1	3
MSR5650	Special Topics (electives)	1-4	0	1-4
MSR570X	Instructional Practicum I, II, III (from available practica)			at least 11
MSR5800	Clinical Internship	0	6	6
Total Hours				at least 50

### Practica Available

MSR5701	Sports Nutrition	3	0	3
MSR5702	Sports Exercise Science	2	1	3
MSR5703	Sports Emergency Care	3	1	4
MSR5704	Sports Exercise Testing and Prescription	2	1	3
MSR5705	Active and Passive Upper Extremity Rehabilitation	3	1	4
MSR570	Active and Passive Lower Extremity Rehabilitation	3	1	4

A minimum of 11 credit hours of practica are required for graduation.

### Nutrition and Human Performance Program Overview

The Master of Science in Nutrition and Human Performance provides an interdisciplinary, unique, comprehensive education producing graduates with expertise in both theory and application of skills essential to the assessment of nutritional status necessary to enter a variety of clinical nutrition and human performance fields.

The program is offered as an independent graduate degree in an on-campus setting or in combination with the Doctor of Chiropractic degree program in a dual degree format.

The recipient of the MSN degree will possess those skills essential for dietary assessment and modulation as well

as management of life-style modifications. This degree program will provide the knowledge necessary for the proper utilization of nutritional supplements, nutraceutical substances, herbs, and whole foods. Nutritional research will be applied to improving human performance.

Earning the MSN degree is accomplished through completion of a 38 credit-hour curriculum focused on theory, research, and the practical application of skills essential to the assessment of nutritional status. Emphasis is placed on the development of a practical knowledge base of anatomy, physiology, the chemistry of nutrition, and the application of nutrition to human systems and physical performance.

This degree program offers both the broadening of professional qualifications and the ability to maximize one's professional goals.

**Educational Goals**

Goal 1. Students will learn Nutrition as it relates to daily living and human performance.

Goal 2. Students will recognize how Nutrition impacts performance throughout the human lifecycle.

Goal 3. Students will demonstrate their knowledge and application of nutritional assessment of human performance.

**MSN Curriculum Table**

Course Number	Course Title	Lec Credit	Hands-on Credit	Total Credit
MSN5000	Nutritional Science I	2	0	2
MSN5020	Nutrition and Physical Performance	3	0	3
MSN5100	Survey of Natural Therapies	3	0	3
MSN5300	Research Methodology	2	0	2
MSN5325	Nutritional Science II	3	0	3
MSN5375	Assessment of Nutritional Status	3	0	3
MSN5425	Clinical Nutrition in Human Systems	3	0	3
MSN5450	Survey of Sustainable Food Systems	3	0	3
MSN4475	Lifecycle Nutrition	4	0	4
MSN5799	Comprehensive Examination	0	0	0
MSN5800	Clinical Internship	0	6	6
MSN5810	Thesis	0	6	6
MSN5XXX	Electives			
Total Hours		26	6	38

**Electives**

MSN5010	Fundamentals of Nutrition	2	0	2
MSN5200	Exercise/Cardiorespiratory Physiology	2	1	3
MSN5704	Sports Exercise Testing and Prescription Practicum	2	1	3
MSN5710	Nutritional Assessment of Athletes Practicum	3	0	3
MSN5725	Clinical Nutrition and Human Performance Prac	3	0	3

**Coursework Restrictions for the MSR and MSN Degree Programs**

Students enrolled in the MSR degree program may choose to take credit hours in a hybrid online format or on-campus format. However, DC students concurrently enrolled in the MSR degree program are not allowed to take hybrid online MSR coursework for courses required in the DC degree program.

Students enrolled in the MSN degree program may only receive credit for on-campus coursework.

Students dually enrolled in the DC degree program and the MSR degree program may not take the Clinical Internship (MSR5800) until completion of all Health Center practica.

**Master of Science Time to Completion Policy**

1. Students may start coursework at three different times per year (January, May, or September).
2. Students may be able to complete the necessary requirements in less than five semesters, but should be aware that some classes may not be offered each semester.
3. Students must finish coursework within five calendar years from the date of initial enrollment. Any student wishing to extend the five-year completion requirement must secure the approval of the Vice President of Academic Affairs.

**Course Numbering System**

Each course is assigned a specific identifier consisting of two letters, five numbers, and a blank/letter. Some course numbers end in 02, indicating an update to a prior course.

The first two letters specify the division:

- UG ..... Undergraduate (ASP & BS)
- BS ..... Basic Science
- MS ..... Master of Science
- CH ..... Chiropractic Science
- CL ..... Clinical Science
- HC ..... Health Center

The next two digits indicate the trimester sequence (except for Undergraduate division, which is one digit):

- 0 ..... Undergraduate (ASP/BS Degree)
- 01-10 ..... Trimesters One through Ten
- 97 ..... Elective Technique, Trimester Seven
- 98 ..... Elective Technique, Trimester Eight
- 99 ..... Elective Technique, Trimester Nine, and Minor Surgery elective

The third digit indicates the department within a division:

**Undergraduate Division (UG)**

- 1 ..... Communication
- 2 ..... Social Science
- 3 ..... Humanities
- 4 ..... Biology
- 5 ..... Psychology
- 6 ..... Math/Statistics
- 7 ..... Chemistry
- 8 ..... Physics
- 9 ..... General

**Basic Sciences Division (BS)**

- 4 ..... Anatomy
- 5 ..... Biology, Physiology, Chemistry, and Physics
- 6 ..... Pathology and Microbiology
- 7 ..... Research

**Chiropractic Science Division (CH)**

- 1 ..... Philosophy
- 2 ..... Biomechanics
- 3 ..... Core Techniques
- 4 ..... Adjunctive Therapies
- 5 ..... Business
- 6 ..... Elective Techniques

**Clinical Science Division (CL)**

- 7 ..... Diagnosis; Physical, Clinical, Laboratory
- 8 ..... Diagnostic Imaging

**Health Center (HC)**

- 9 ..... Health Center Rotations and Practica

The next two digits indicate the course sequence in the teaching department, identifies the specialized technique in the case of elective techniques, or identifies the course level for the undergraduate division courses (except for undergraduate division which is one digit).

**Elective Techniques**

- 02 ..... Gonstead
- 03 ..... Thompson
- 04 ..... Activator
- 05 ..... AK
- 06 ..... Advanced Diversified
- 07 ..... SOT
- 08 ..... Cox
- 10 ..... Upper Cervical
- 11 ..... ART
- 14 ..... Advanced Basic
- 15 ..... Graston/Soft Tissue

**Undergraduate Division (UG)**

- 1 ..... 100 level
- 2 ..... 200 level
- 3 ..... 300 level
- 4 ..... 400 level

The blank/letter in the ninth place indicates the following:

- L ..... Lab
- R ..... Revised
- X,Y,Z Multiple classes of a course (different content)

**Course Descriptions**

**Undergraduate Courses**

**UG01101\_02 Introduction to Public Speaking 3 Credits**

This course presents a practical approach to the theory and practice of public speaking. Emphasis is placed on training thought processes necessary to organize speech content, analysis of components of effective delivery, and language.

**UG01102\_02 Medical Terminology 4 Credits**

This is a self-paced, programmed approach to the learning of scientific/medical terminology. It is designed to acquaint the student with the scientific vocabulary encountered in the various division courses and to enable the learner to interpret and understand complex medical terms.

**UG01301\_02 Advanced Public Speaking 3 Credits**

This course explores and develops public speaking skills in three primary categories: persuasion, information, and humor. Students will prepare and deliver a series of addresses emphasizing these primary characteristics. Prerequisite: Earned credits in public speaking.

**UG01310\_02 Advanced Marketing 3 Credits**

This course is a summary of marketing principles in business and society. Emphasis is placed on product, pricing, place, and promotion decisions and the application of these concepts to business situations. Prerequisite: Earned credits in marketing.

**UG01315\_02 Promotional Marketing 3 Credits**

This course focuses on the development of comprehensive, non-personal, promotional campaigns to effectively communicate product offerings and organizational messages to target audiences. Prerequisite: Earned credit in advanced marketing.

**UG02310\_02 History of Chiropractic 3 Credits**

This course traces the evolution of Chiropractic from its beginning to its current worldwide presence. Emphasis is given to the intellectual and institutional growth, as well as the individuals responsible for the initial development and later acceptance of Chiropractic. In the second half of the course, the history of Logan College of Chiropractic is discussed, from its beginnings with Hugh B. Logan, DC through its operation today as one of the profession's premier chiropractic education institutions.

**UG02420\_02 Theories and Research in Chiropractic 3 Credits**

This independent study course is designed to provide the student with basic knowledge of what a theory is and how theories influence history, philosophy, research, and practice in health care generally and Chiropractic in particular. The relationship between theory, hypothesis, and research design in current scientific literature will be discussed.

**UG03101\_02 Styles of Jazz 2 Credits**

The style of music called jazz is one of the gifts from the United States to the world. This music is the basis for much of the 20th century's popular music, film scores, Broadway show scores, and, to some ears, formal (classical) music. The origins and development of the styles of jazz will be explored.

**UG03310\_02 Medical Ethics 3 Credits**

This course addresses moral problems confronting health care practitioners, patients, and the public concerned with medical treatment, research, and public health policy. Topics include abortion, living wills, euthanasia, genetic engineering, patient rights, human experimentation, and allocation of medical resources.

**UG04210\_02 Human Biology I 3 Credits**

This course is offered the first half of a term and presents a study of the organization and function of the human body, incorporating basic biological principles of the human organ systems. Emphasis is on basic organization of the body, and the integumentary, skeletal, muscular, and nervous systems. Prerequisite: Chemistry I and Chemistry II.

**UG04210L02 Human Biology I Laboratory 1 Credit**

The laboratory course is offered in conjunction with the Human Biology I course and includes a detailed study of the skeletal, muscular, and nervous systems and provides experience in human cadaver dissection.

**UG04310\_02 Human Biology II 3 Credits**

This course, offered the second half of a term, is a continuation of the Human Biology I and focuses on the circulatory, lymphatic, immune, respiratory, digestive, urinary, endocrine, and reproductive systems. Prerequisite: Human Biology I (or equivalent).

**UG04310L02 Human Biology II Laboratory 1 Credit**

This laboratory course is offered in conjunction with the Human Biology II course and includes a detailed study of the circulatory system and blood and provides experience in human cadaver dissection.

**UG05101\_02 General Psychology 3 Credits**

This independent study course is designed to provide the student with basic knowledge of the history, philosophy, theories, research, and practices of psychology in the context of a complimentary/alternative health care paradigm.

**UG05401\_02 Mind/Body Psychology I 3 Credits**

This independent study course is designed to provide the student with basic knowledge of the history, philosophy, theories, research, and practices of mind/body psychology in the context of a complimentary/alternative health care paradigm. Prerequisite: General Psychology.

**UG05402\_02 Mind/Body Psychology II 3 Credits**

This independent study course is a continuation of Mind/Body Psychology I with emphasis on current theory and research of the psychology and neurology of acute, subacute, and chronic pain. Particular emphasis will be given to chiropractic models of care related to neuromuscular pain syndromes. Prerequisite: Mind/Body Psychology I.

**UG06110\_02 Contemporary Mathematics 3 Credits**

This is a survey course that investigates a variety of mathematical concepts and how they relate to problem solving in the everyday world. Topics include numbers and fractions, the basics of algebra, business math, geometry, graphing, word problems, and probability and statistics.

**UG06120\_02 College Algebra 3 Credits**

This course presents algebraic concepts, techniques, and applications including polynomial and rational expressions, linear and quadratic equations, inequalities, absolute value, functions and graphs, exponential and logarithmic functions, and systems of equations and inequalities.

**UG06410\_02 Statistics 3 Credits**

This course presents a survey of basic statistical methods, including descriptive statistics, introductory probability theory, correlation and regression analysis, and introductory inferential statistical methods of estimation and hypothesis testing. Prerequisite: College Algebra.

**UG07110\_02 General Chemistry I 3 Credits**

This course is offered the first half of a term and introduces fundamental laws and theories of chemistry as well as acid/base balance and introductory organic chemistry.

**UG07110L02 General Chemistry I Laboratory 1 Credit**

This laboratory course accompanies the General Chemistry I course and includes exercises demonstrating lecture topics.

**UG07120\_02 General Chemistry II 3 Credits**

In this course, which is offered the second half of a term, students will learn and understand the properties of solutions, chemical equilibrium, chemical kinetics, acid/base chemistry, buffers, and solubility. Prerequisite: General Chemistry I or equivalent.

**UG07120L02 General Chemistry II Laboratory 1 Credit**

This laboratory course accompanies the General Chemistry II lecture course and includes exercises in chemical equilibrium, acid/base chemistry, buffers, solubility, and solutions. Prerequisite: General Chemistry I Laboratory or equivalent.

**UG07310\_02 Organic Chemistry I 3 Credits**

In this course, which is offered the first half of a term, students will learn and understand molecular structure and bonding, nomenclature of alkanes, alkenes, alkynes, and alcohols, stereochemistry, reactivity of acids and bases, and nucleophilic substitution and elimination of alkyl halides. Prerequisite: General Chemistry II or equivalent.

**UG07310L02 Organic Chemistry I Laboratory 1 Credit**

This laboratory course accompanies the Organic Chemistry I lecture course and includes exercises demonstrating lecture topics. Prerequisite: General Chemistry II Laboratory or equivalent.

**UG07320\_02 Organic Chemistry II 3 Credits**

In this course, which is offered the second half of a term, students will learn and understand the chemistry and preparation of alkenes, alkynes, alcohols, aldehydes, ketones, carboxylic acids, and amines. Prerequisite: Organic Chemistry I or equivalent.

**UG07320L02 Organic Chemistry II Laboratory 1 Credit**

This laboratory course accompanies the Organic Chemistry II lecture course and includes exercises demonstrating lecture topics. Prerequisite: Organic Chemistry I Laboratory or equivalent.

**UG08110\_02 Physics I 3 Credits**

This course is offered the first half of a term and presents a study of kinetics, mechanics, dynamics and statics, thermal properties, conservation of energy and momentum, harmonic wave motion, and ideal gas laws. Prerequisite: College Algebra.

**UG08110L02 Physics I Laboratory 1 Credit**

This laboratory course accompanies the Physics I course and includes exercises demonstrating lecture topics.

**UG08220\_02 Physics II 3 Credits**

This course is offered the second half of a term and addresses electrostatics, electric field theory, steady electric currents, circuitry, wave optics, and origins of quantum theory. Prerequisite: Physics I or equivalent.

**UG08220L02 Physics II Laboratory 1 Credit**

This laboratory course accompanies the Physics I course and includes exercises demonstrating lecture topics.

**UG08320\_02 Fundamentals of Biomechanics 3 Credits**

This is an introductory course on the resolution of forces generated in the human body. Emphasis is on force resolution, geometry, lever systems, strength of materials, and clinical relevance. Prerequisite: College Algebra and Physics I.

**UG09301 Special Topics 1-4 Credits**

In this course topics vary each time it is offered. The course stresses recent developments in biology, chemistry, mathematics, organic chemistry, or physics.

**UG09401\_02 Senior Seminar 3 Credits**

This course is a capstone undergraduate writing experience for graduates of the Logan Doctor of Chiropractic program who have satisfied all other requirements for the Bachelor of Science degree.

**UG09501\_02 Topics in English Language 1-3 Credits**

This is a reading and research course in an area of English language. The student will conduct a detailed investigation into one or more specific topics in an area of English language. The results of the research are included in a written report.

**Basic Science Division**

This division introduces basic science concepts with a series of courses that prepare students to participate in the clinical training that follows later in the curriculum. The course offerings in the Basic Science Division provide an in-depth study of the human organism at every level of organization. Cell structure and function are studied from very primitive life forms to highly specialized tissue. Organs and body systems are presented with special emphasis on the integrating role of the endocrine and nervous systems. The role of microorganisms in human health completes the foundation of basic science.

The research component of the Basic Science Division consists of the two courses, Research Methodology and Senior Research Project. These courses instruct the student in the design, implementation, execution, and reporting of a research project.

**BS01401\_02 Anatomy I 5.5 Credits**

This course is a detailed study of the structure and function of human regional anatomy related to the lower extremities, the gluteal and back regions, the superficial chest, and the lateral neck and upper extremities. Descriptive lectures of each major course component precede corresponding prosection demonstrations, which are followed by extensive dissections by the students in the laboratory.

**BS01501\_02 Biochemistry I 4 Credits**

This course presents a study of the chemistry of carbohydrates, lipids, and proteins, as well as a discussion of enzyme kinetics. The electron transport system is explained as a mechanism of energy conversion in living systems. Laboratory experiments focus on chemical reactions of the above metabolites and enzyme kinetics.

**BS01502\_02 Histology/Cell Biology 5 Credits**

This course presents a comprehensive consideration of the normal microstructure and functions of human cells, tissues, and organs. The course includes descriptive lectures as well as microscopic work in the laboratory.

**BS02403\_02 Anatomy II 5.5 Credits**

This course presents a detailed study of the structure and function of human regional anatomy related to the head, neck, thorax, abdomen, pelvis, and perineum. Organ systems in each region will be examined for clinical relevance to Chiropractic. Prosections will be demonstrated before each laboratory dissection.

**BS02405\_02 Neuroanatomy 5 Credits**

This course provides an in-depth presentation of the morphological organization of the central and peripheral nervous systems. Lecture sessions include descriptions of neurological disorders and lesions and their significance. Laboratory sessions correlate with course content and include demonstrations and hands-on experience with human neurological specimens.

**BS02503\_02 Biochemistry II 4 Credits**

The pathways of the metabolism of carbohydrates, lipids, and amino acids are explained with an introduction to the function of B-complex vitamins in these processes. The role of selected hormones in the metabolism of various metabolites is described, and the well-fed state is contrasted with the starvation condition in the human organism.

**BS02504\_02 Physiology I 4 Credits**

The core principles of physiology are presented. Concepts in homeostasis, its regulation, cellular physiology, and membrane transport are introduced. The course covers the skeletal muscle, the cardiovascular, and the lymphatic organ systems.

**BS02601\_02 Microbiology I 4 Credits**

This course is designed to introduce students to all areas of Microbiology. Primary focus is on structure, function, and pathogenic mechanisms of microbes. The course includes a laboratory that highlights the aseptic technique and use of different techniques to study microorganisms.

**BS03404\_02 Embryology 2 Credits**

This course studies human development from the formation of the gametes to birth. Fertilization and formation of all organ systems are discussed. Birth defects caused by genetic or environmental influences are also covered.

**BS03506\_02 Physiology II 6 Credits**

This course is continuation of Physiology I and covers smooth muscle physiology, metabolism, the respiratory, the gastrointestinal, the endocrine, the renal, and the reproductive systems.

**BS03602\_02 Microbiology II 5 Credits**

This course focuses on major clinical aspects of microbiology based on the fundamentals as taught in Microbiology I. Infectious diseases, along with treatments

and prevention methods, are highlighted. The role of Chiropractic in boosting the immunity status of individuals is a major component of this course. Laboratory exercises in this course stress the diagnosis of disease and the identification of the causative agents.

**BS03603\_02 Pathology I 4 Credits**

This course will provide the student the opportunity to learn the pathological mechanisms and biochemical, physiologic, and anatomical abnormalities associated with the disease processes most often encountered by the practicing chiropractic physician.

**BS03604\_02 Public Health, Hygiene and Sanitation 3 Credits**

This course emphasizes the role of Chiropractic in the promotion of health and healthy living, and of public health in prevention of major public health problems, diseases, and environmental hazards. Governmental and private agencies providing health services are also discussed. The importance of healthy life styles are stressed in this course.

**BS04505\_02 Nutritional Science I 2 Credits**

This course examines the fundamentals of nutrient chemistry, metabolism, and dietetics. The macronutrients of the human diet – proteins, carbohydrates, fats, vitamins, major minerals, and trace elements – are discussed.

**BS04507\_02 Physiology III 4 Credits**

This course is the last of a three-semester study of human physiology. The focus is on neurophysiology. Concepts in membrane potential, action potential, and neuronal circuitry are presented. The somatic sensory system, the special senses, and their corresponding pathways are discussed. The course also covers the somatic motor pathways, spinal reflexes, brain regions and function, and the autonomic nervous system. This course concludes with a comprehensive review of all organ systems.

**BS04605\_02 Pathology II 4 Credits**

In this course the pathologic processes of organ systems are covered. For each organ system the causes of disease processes are discussed to include their physiologic mechanisms and molecular defects. Both gross and histological appearances of the pathologic processes are presented.

**BS07001\_01 Research Methodology 2 Credits**

This course provides key topics in the evaluation of the scientific/clinical literature for validity of scientific findings as well as for clinical significance. The student will learn how to identify a research problem, search and review the literature, design an experiment, and will be introduced to the process of collecting and analyzing data and writing a research proposal that would be appropriate for the Senior Research project.

**BS08002\_02 Senior Research Project I 1 Credit**

This is the first course in the Senior Research sequence and is dedicated to writing a research proposal and obtaining a successful Institutional Review Board review of the proposal.

**BS09003\_02 Senior Research Project II 1 Credit**

This course is a continuation of the efforts initiated in Senior Research Project I with a goal of completion of the experimental portion of the research project.

**BS10004\_02 Senior Research Project III 3 Credits**

This course requires project completion and a formal report of the research.

**Chiropractic Science Division**

A Logan student's life begins with an immediate and continual exposure to the science of Chiropractic, its philosophy, principles, and practice. This exposure correlates the human biology courses of the Basic Science Division with the applied health care of Chiropractic.

In chiropractic courses the emphasis is on each student developing competency in the professional application and synthesis of scientific aptitude, clinical competence, and ethical demeanor. The fusion of these qualities produces a competent Doctor of Chiropractic.

The Chiropractic Science curriculum supports the mission of Logan by providing the information and developing the skills that are unique to the profession of Chiropractic. Chiropractic is based on the interrelationship between the biomechanical integrity of the body and its effect on the nervous and other body systems. The first trimester includes introductory courses in history and philosophy of Chiropractic and the beginning of skills development with a course on posture analysis, spinal biomechanics, and static and motion palpation. Business courses continue throughout the curriculum to allow each student to develop a business plan tailored to his/her plans for a chiropractic career.

Each trimester skills development continues with classes in Orthopedics (Tri 3, 4, and 9), Logan Basic Technique (Tri 3, 4, and 5), and Logan Diversified Technique (Tri 2-6). As the students obtain the necessary background education in Basic Sciences, the Chiropractic Philosophy courses discuss the pathophysiology of the subluxation complex. The role of Chiropractic in the total health care arena and other professional and ethical topics are taught in the Trimester 3 and 4 Philosophy courses.

In Trimesters 7, 8, and 9 the students are allowed to expand their chiropractic skills by selecting from various elective chiropractic adjusting techniques. Also included in the upper division trimesters are courses in practice and office management, physiological therapeutics, rehabilitation,

ethics and jurisprudence, plus review courses in technique and orthopedics with emphasis on diagnosis and treatment.

The evaluation of the skills and knowledge development is on a continuing basis. The instructors in the palpation, orthopedics, and technique classes follow the students through the curriculum, i.e., they teach in multiple trimesters and in multiple classes and are able to detect weaknesses and review as necessary. They also become familiar with individual student strengths and weakness from the multiple interactions throughout the curriculum. In addition to the written and practical exams, Comprehensive Boards evaluate the chiropractic skills with written and practical examinations.

#### *Business Curriculum*

The Chiropractic Science Division curriculum is dedicated to laying the foundation of the practice of Chiropractic for each intern. Business courses are offered under the heading of “Professional Development” in each trimester.

Ethics in Business is offered in Trimester 1. Personal Finance is offered in Trimesters 2 and 3. Business Finance in a chiropractic office is offered in Trimesters 4 and 5. Trimesters 6, 7, 8, 9 and 10 offer business curriculum inclusive of: Electronic Billing and Documentation; Business Management ; business start up planning, and culminates in a Business Capstone experience of assisting the development of a specific business plan for each student.

Throughout the business curriculum successful practitioners share their experiences, hands-on opportunities occur, and “boot-camp” business principles are delivered to fully engage the student in developing the skills necessary for success.

#### **Trimester 1, 4, and 7 Emergency Procedures**

This is a certification course on cardiopulmonary resuscitation and Automatic External Defibrillation as taught by the American Red Cross.

#### **CH01000 Professional Development 1 Credit**

Hours assigned to this course include training in CPR, ethics, student development skills, and exposure to practicing professionals whose expertise can provide a framework for the students’ future studies and practice.

#### **CH01101\_02 Philosophy I 3 Credits**

This course is an introduction to the art, science, and philosophy of Chiropractic. Students learn about the history and evolution of the chiropractic profession, including the chiropractic subluxation theories.

#### **CH0120102 Spinal Analysis 4 Credits**

This is a beginning course in the study of surface anatomy, static and dynamic palpation of the human body, and analysis of the spine and postural distortions. The emphasis is on hands-on skill development.

#### **CH01702\_02 Spinal Anatomy 4 Credits**

The development and osseous anatomy of the human spine and related structures are studied in this course. The components of human nervous system, along with their function and electrophysiology, are presented.

#### **CH02000 Professional Development 1 Credit**

Hours assigned to this course expose student to part one of the finance lectures and a series of professional speakers. Students will be able to critique and discuss a variety of current chiropractic professional issues.

#### **CH02102\_02 Philosophy II 2 Credits**

This is the second course in the study of the history, philosophy, art, and science of the chiropractic profession. This course goes into more detail on the theories and pathomechanics of the chiropractic subluxation.

#### **CH02301\_02 Diversified Technique I 2 Credits**

This is a lecture and hands-on course, developing skills in the identification and correction of subluxations of the pelvis. Special emphasis is on definitions, doctor-patient positioning, hand contact, line-of-drive, and mental imaging of the subluxation complex.

#### **CH03000 Professional Development 1 Credit**

Hours assigned to this course expose students to part two of the finance principles lectures. Students will also be exposed to a community service project. Students will participate in enrichment seminars on current topics in the chiropractic profession.

#### **CH03103\_02 Philosophy III 2 Credits**

This third course in the study of the philosophy of the chiropractic profession emphasizes the principles of Chiropractic in relationship to the theories of the subluxation complex.

#### **CH03202\_02 Orthopedics I 3 Credits**

This is the beginning course in orthopedics, emphasizing diagnosis using orthopedic and neurological examination of the pelvis, lumbar, and thoracic spine. Lecture material is demonstrated and performance skills are developed in the laboratory.

#### **CH03302\_02 Diversified Technique II 4 Credits**

This is the second course in the Diversified Technique series. This course provides a review of the previous pelvis adjustments and an introduction to adjusting the lumbar spine.

#### **CH03303\_02 Logan Basic Technique I 2 Credits**

This is the first course of Logan Basic Technique with special emphasis on understanding spinal and pelvic biomechanics. Spinal Distortional Analysis is discussed in detail. This introductory course has emphasis on definitions, x-ray interpretations, and the explanation of spinal and body mechanics, as related to the development of spinal distortions.

#### **CH04000 Professional Development 1 Credit**

Hours assigned to this course include a challenge test in first aid, part three of the basic principles in business and finance lectures, and exposure to professional speakers addressing subjects related to current chiropractic issues.

#### **CH04104\_02 Philosophy IV 2 Credits**

This is the fourth in a series of chiropractic philosophy courses. This course investigates current ethical and professional topics in the chiropractic and other health related fields. The special emphasis is on patient management and communications.

#### **CH04203\_02 Orthopedics II 4 Credits**

This course emphasizes diagnosis using orthopedic and neurological examination of the cervical spine and the extremities. Lecture material is demonstrated and performance skills are developed in the laboratory.

#### **CH04304\_02 Diversified Technique III 3 Credits**

This is the third in the series of Diversified Technique courses. This course specifically addresses the diversified adjusting of subluxation of the thoracic and lower cervical spine. This course includes a review of the pelvis and lumbar diversified adjusting.

#### **CH04305\_02 Logan Basic Technique II 3 Credits**

This is the second in the series of the Logan Basic Technique courses, and begins with a review of the previous course. It is a hands-on, skills development course in Logan Basic Technique adjusting procedures, in a laboratory setting, including x-ray film analysis, using the Logan Basic System of Body Mechanics.

#### **CH05000 Professional Development 1 Credit**

Hours assigned to this course include part four of the basic principles in business and enrichment lectures in business topics and on current topics in the chiropractic profession. Students are exposed to chiropractic office through the Field Shadowing Program.

#### **CH05204\_02 Biomechanics 2 Credits**

The biomechanics of the human body are discussed in detail, with special emphasis on spinal biomechanics, gait analysis, and the lever systems of the body. The course also includes analysis of strength of materials of the human body.

#### **CH05306\_02 Diversified Technique IV 4 Credits**

This fourth course in the series of Diversified Technique courses specifically addresses the upper cervical spine and the extra spinal articulations. Also included in the course are reviews of the diversified adjustments taught in the previous diversified series.

#### **CH05307\_02 Logan Basic Technique III 3 Credits**

This course is the third in a series of Logan Basic Technique lecture/lab courses, and includes advanced topics such as pediatrics, geriatrics, special patient needs, chiropractic pre-natal spinal care, and acute care. An introduction to case management related to spinal distortions, including scoliosis, is provided, along with a review of all previous Logan Basic adjusting procedures.

#### **CH06000 Professional Development 1 Credit**

Hours assigned to this course include shadowing at outpatient clinics and exposure to a variety of chiropractic techniques from which students will then select their own technique sequence in the coming trimesters.

#### **CH06100 Community Health and Wellness Promotion 3 Credits**

This course informs students of major health concerns in the areas of community, occupational, and environmental health and prepares the student to address health promotion within the chiropractic clinical model.

#### **CH06308 02 Diversified Technique V 2 Credits**

This course provides a complete review of the diversified adjustive and supportive procedures as taught in previous courses. Emphasis is placed on performance of the technique and technique utilization in the clinical environment.

#### **CH06402\_02 Physical Therapy I: Therapeutic Modalities 2 Credits**

This course presents an introduction to and history of therapeutic physical modalities including indications, contraindications, and physical and physiological effects.

#### **CH06503\_02 Jurisprudence 2 Credits**

This course covers the legal aspects to case history records and clinical procedures. The chiropractic physician’s legal and ethical duties to the patient are examined and discussed. The statutory definitions of Chiropractic in various states are examined, particularly as these statutes place duties and limitations on the practicing chiropractic physician. The goal is to protect students from future lawsuits.

#### **CH07000 Professional Development 1 Credit**

Hours assigned to this course include a challenge test on first aid training, lectures and workshop style classes in computerized documentation, and spinal analysis. Finally, a series of professional development speakers will address topics directly related to chiropractic practice and therapies.

**CH07310 Soft Tissue Technique 1 Credit**

This course is designed to study manual, nonarticular manipulative and adjusting procedures that will follow traditional rationale to improve clinically aberrant neurologic reflex or pain pattern from soft tissue injuries.

**CH07311 Intro to Gonstead Technique 2 Credits**

This course is designed to demonstrate correlation in the use of Gonstead Technique interpretation with x-ray and spinal analysis.

**CH07312 Introduction to Applied Kinesiology 4 Credits**

The content of this course will include somato-visceral and viscera-somatic effects in clinical diagnosis and treatment. The course offers a holistic approach to patients using applied kinesiology and other procedures ancillary to the chiropractic adjustment. This is the first part of the International College of Applied Kinesiology basic certification.

**CH07402 Physical Therapy II: Therapeutic Applications 3 Credits**

This course is a continuation of Physical Therapy I and includes the most commonly practiced therapeutic physical agents in the fields of physical medicine and their specific applications.

**CH07504\_02 Patient Communication Skills 2 Credits**

The objective of this course is to use interactive role playing between students and hypothetical patients to develop the student's patient profiling, rapport building, and presentation skills.

**CH08000 Professional Development 1 Credit**

Hours assigned to this course are designed to provide the student with exposure to postgraduate education and exposure to professional speakers addressing subjects related to current chiropractic issues.

**CH08313 Chiropractic Case Management 2 Credits**

This course is a comprehensive review of adjusting procedures, physiotherapies, and exercises and their application to the daily chiropractic practice.

**CH08401 Athletic Injuries 1 Credit**

This course presents the study of injuries induced by athletic endeavor, with emphasis on diagnosis, treatment, and prevention.

**CH08403 Physical Therapy III: Rehabilitation 3 Credits**

This course presents a study of clinical rehabilitation, employing therapeutic exercise concepts and principles to interpret and analyze normal and abnormal human anatomy and physiology so as to better understand and treat neuromusculoskeletal conditions.

**CH09000 Professional Development 1 Credit**

Hours assigned to this course include a business capstone lab and a series of speakers who will address current chiropractic issues.

**CH09205\_02 Advanced Biomechanics 3 Credits**

This course presents a detailed study of spinal and extremity mechanics/stability, emphasizing ergonomics, gait, levers, and pathokinesiology of joints. Major components of this course include descriptive lectures, demonstrations, hands-on laboratory, and review of the current literature.

**CH09208 Advanced Orthopedics 2 Credits**

This course provides a complete review of the orthopedic and neurological examination, emphasizing diagnosis and the physiology and treatment of common neuromusculoskeletal disorders. Emphasis is on patient treatment and management. Students are also taught the principles of impairment evaluation.

**CH09507\_02 Office Management 4 Credits**

This course covers topics in practice start-up including securing loans, acquiring office equipment, staffing the office, and managing business growth and change. The goal is to provide practical knowledge and direction.

**CH09508\_02 Business Management Capstone I 1 Credit**

This course coordinates and integrates information from previous business courses and begins development of a comprehensive book of knowledge needed for opening and running a successful chiropractic practice.

**CH10505\_02 Billing and Documentation 2 Credits**

This course covers all billing aspects in a chiropractic office including Personal Injury, Major Medical, Medicare, Workers Compensation, and cash patients. In addition the course provides documentation guidelines for appropriate medical reporting to support the care provided and diagnosis reported. The course will go in depth into the use of the CPT and ICD9 guidebooks. The primary goal of the course is to provide appropriate guidelines for integration of the chiropractic office into the third party payer system. HIPAA training is also an essential part of this course.

**CH10509\_02 Business Management Capstone II 1 Credit**

This course coordinates and integrates information from previous business courses and completes development of a comprehensive book of knowledge needed for opening and running a successful chiropractic practice.

**CH97600 Specialized Technique I 3 Credits**

**CH98600 Specialized Technique II 3 Credits**

**CH99600 Specialized Technique III 3 Credits**

Listed below are the specialized techniques offered at Logan College. Students choose three courses to be graded as part of the regular curriculum and may choose additional courses (for a fee) on a pass/fail basis for enrichment purposes.

**Beginning Activator**

Activator Methods is a system of body mechanics and technique, emphasizing methodology that teaches where, when, and when not to adjust in reestablishing and maintaining a more normal dynamic developmental and physiological relationship of the human body. Offered in Trimesters 7, 8 and 9.

**Intermediate/Advanced Activator**

This course is a continuation of the Activator Method of patient health care emphasizing review of previous study and more advanced applications. Offered in Trimesters 8 and 9.

**Active Release Technique®**

This is an intensive, hands-on course designed to thoroughly prepare the student to apply protocols of Active Release Technique as it relates to the spine. Attention will be paid to understanding the mechanics of soft tissue injuries, identification of these injuries, and elimination of the lesion to restore proper function of the neuromusculoskeletal system. An additional fee required. Offered in Trimesters 7, 8, and 9.

**Beginning Applied Kinesiology**

Beginning Applied Kinesiology includes manual muscle testing and application of applied kinesiology methods to analysis and treatment of muscular imbalance and pelvic and spinal problems. Also included is an introduction to cranial techniques and meridian therapy. This course is part of the International College of Applied Kinesiology basic certification course.

**Intermediate Applied Kinesiology**

The Intermediate Applied Kinesiology course includes the study of hidden muscle dysfunction and extremity and peripheral entrapment syndromes. Intermediate cranial techniques, meridian therapy, and nutritional analysis are also discussed. This course is a part of the International College of Applied Kinesiology basic certification course.

**Advanced Applied Kinesiology**

The Advanced Applied Kinesiology studies the measurement and correction of global biomechanics and hidden muscle dysfunction. Detailed muscle testing, advanced cranial therapy, meridian therapy, and advanced applied kinesiology procedures will also be discussed. This course is the final part of the International College of Applied Kinesiology basic certification course including certification examination.

**Beginning Cox Flexion-Distraktion**

This course is designed to teach competency in theory, diagnosis, body mechanics, and adjusting skill of the Flexion Distraction Technique in patient management. Offered in Trimesters 7, 8 and 9.

**Advanced Diversified**

This course is designed to increase skill in patient diagnosis, treatment, and management using the Logan Diversified Technique method. Offered in Trimester 9.

**Beginning Gonstead**

This course is designed to show competency in theory, diagnosis, body mechanics, adjusting skills, and correlation of the Gonstead Technique into chiropractic management of indicated health problems. The course is focused on the lumbar and pelvic regions. Offered Trimesters 7, 8 and 9.

**Intermediate Gonstead**

This course is a continuation of the previous specialized technique in Gonstead theory and application with a more advanced adjusting technique. The course is focused on the thoracic and cervical regions. Offered Trimesters 8 and 9.

**Advanced Gonstead**

This course is a continuation of the previous specialized technique in Gonstead theory and application with a more advanced adjusting technique. This course is focused on the entire spine and the extremities. Offered Trimester 9.

**Advanced Logan Basic Technique**

This course is designed to further refine the students understanding and skills in the application of Logan Basic Technique and Logan Basic Methods as an adjusting technique, with special attention given to diagnosis and management of scoliosis, including an overview of other adjusting techniques and adjunct procedures that can have an impact on scoliosis.

**Beginning Sacro Occipital Technique™**

This course is designed to show competency in the philosophy, diagnosis, body mechanics, adjusting techniques, and management protocols utilized in Sacro Occipital Technique, which includes categorization, adjusting protocols, pelvic blocking, and basic cranial maneuvers. Offered in Trimester 7, 8, and 9.

**Intermediate Sacro Occipital Technique**

This course is a continuation of the previous specialized technique in Sacro Occipital Technique theory, protocols, and applications, with an emphasis on patient management and adjusting methods, includes extraspinal and cranial maneuvers. Offered in Trimester 8 and 9.

### **Advanced Sacro Occipital Technique**

This course is designed to show competency in the philosophy, diagnosis, body mechanics, adjusting techniques, and management protocols utilized in Sacro Occipital Technique, which includes TMJ, adjusting protocols, management of viscera-somatic and spinal-related conditions, and basic cranial maneuvers. Offered in Trimester 9.

### **Beginning Thompson**

This course is designed to teach the theory, diagnosis, body mechanics, adjusting skills, and patient management using the table-assisted Thompson Technique. Offered in Trimesters 7, 8 and 9.

### **Upper Cervical Specific (Toggle Recoil)**

This course is designed to teach the theory and application of principles used in the practice of Upper Cervical Specific technique. Offered in Trimesters 7, 8 and 9.

### **Graston Technique/Manual, Nonarticular Manipulation**

In this course students experience an intensive, hands-on application of the principles and techniques of manual nonarticular manipulation, including certification of Graston Technique Module 1. Offered in Trimesters 7, 8, and 9.

### **Clinical Science Division**

The primary emphasis of the Clinical Science Division is to teach the diagnostic skills and knowledge necessary for the development of a competent and responsible chiropractic physician. After being educated in the human biological sciences, students learn procedures which will assist them in establishing patient diagnosis and treatment options. Examples of course work include: physical diagnosis, clinical diagnosis, x-ray diagnosis, and laboratory diagnosis. These courses facilitate the development and integration of basic technical and clinical knowledge into coherent clinical reasoning.

This is accomplished by employing the time-honored method of building upon the necessary critical faculties of basic science and Chiropractic, and blending all into a system of investigative procedures that develop the highly trained chiropractor who can function as a portal-of-entry health care provider in an integrated health care system. Integration is achieved through close cooperation between theory in the classroom and practice in a clinical setting.

The Radiology Department provides multiple daily small group conferences devoted to a variety of clinically relevant imaging topics. The conferences are provided by residents, fellows, and department faculty. These conferences involve the evaluation and discussion of imaging studies of patients from the Logan Health Center network as well as cases referred by outside chiropractic physicians. Imaging

studies may include radiography, MRI, CT, sonography, and bone scans. The small group learning environment of the radiology conferences encourages productive clinical interaction and dialogue.

The Clinical Science Division maintains a faculty that is cognizant of the current information in their area of responsibility and is aware of division and course objectives ,thereby encouraging continuity of clinical science curriculum.

### **CL04702\_02 Neuromusculoskeletal Diagnosis 4 Credits**

This course introduces the student to neurological and orthopedic testing. It includes evaluation of the patient through performance of cranial nerve, reflex, sensory, and motor examination. Standard orthopedic testing of the spine and extremities is demonstrated. Common pathologies of each area are discussed.

### **CL04801\_02 Fundamentals of Diagnostic Imaging 4 Credits**

This course introduces the spectrum of diagnostic imaging technologies. Clinical indications and contraindications, physics of imaging, radiobiology, and quality assurance are addressed. The fundamentals of advanced imaging technology are also included.

### **CL05701\_02 Physical Diagnosis I 5 Credits**

This is the first of a two-part diagnostic series. The physical diagnosis courses are designed to provide the student with a logical and systematic approach to detailed history gathering, examination procedures, the development of a differential diagnosis, and determination of the next most appropriate clinical step. Standards of care will also be discussed. The focus of this course is the examination procedures of the history gathering, vital signs, head, face, and neck examinations including ear, eyes, nose, and throat. Lastly, a detailed examination of the neuro-musculoskeletal system will be demonstrated. The laboratory portion of this course emphasizes the hands-on experience.

### **CL05704\_02 Cardiorespiratory Diagnosis 4 Credits**

This course presents the diagnostic criteria for the study of normal and pathological conditions affecting the cardiorespiratory system.

### **CL05705\_02 Laboratory Test Utilization and Interpretation 5 Credits**

This course presents concepts relevant to the utilization of clinical laboratory assessment as part of the clinical decision making process for the primary health care provider. Selected areas of laboratory evaluation including venipuncture and standard clinical microscopy of blood and urine samples will be incorporated into the course.

### **CL05707\_02 Toxicology 2 Credits**

This course presents basic concepts of pharmacology and toxicology.

### **CL05802\_02 Diagnostic Imaging I 3 Credits**

This course emphasizes the role of diagnostic imaging in the detection and characterization of pathological processes of the musculoskeletal system. Normal radiographic anatomy, imaging tools, mensuration, normal variants, and dysplasia conditions will be addressed.

### **CL05803\_02 Radiographic Positioning 2 Credits**

A comprehensive presentation of radiographic positioning for the appendicular and axial skeleton is presented. A small group session is included and allows hands-on learning.

### **CL06401\_02 Chiropractic Clinical Reasoning 4 Credits**

This course is specifically designed to prepare the student for entrance into the Student Health Center. The course incorporates previous basic, clinical, and chiropractic science courses into a clinical reasoning patient management concept. Through small group interactive teaching methods a guided step by step approach is utilized to encourage the development of problem solving skills. Actual patient profiles including history, examination findings, and further diagnostic information are provided. Finally, treatment options are discussed and patient communication skills are practiced.

### **CL06704\_02 Physical Diagnosis II 6 Credits**

In this course the student will be presented with key elements of the physical diagnosis as it relates to examination of the respiratory, breast, cardiovascular, peripheral vascular, gastrointestinal, and urogenital systems. The laboratory portion of this course emphasizes the hands-on experience.

### **CL06709\_02 Eyes, Ears, Nose, and Throat Diagnosis 2 Credits**

This course presents the diagnostic criteria for the study of normal and pathological conditions affecting the eyes, ears, nose, and throat.

### **CL06710\_02 Clinical Neurology 2 Credits**

This course presents the diagnostic criteria for the study of normal and pathological conditions affecting the nervous system.

### **CL06711\_02 Pediatrics 2 Credits**

This course presents the study of the growth and development of the child, incidence of childhood disease, and the clinical manifestations of such, and the maintenance of the child in health and disease.

### **CL06804\_02 Diagnostic Imaging II 3 Credits**

This course emphasizes additional topics in diagnostic imaging including arthritis and nutritional, metabolic, endocrine, infectious, neoplastic, tumor-like, and vascular diseases of bone.

### **CL07708 Gastrointestinal and Urogenital Diagnosis 5 Credits**

This course presents the diagnostic criteria for the study of normal and pathological conditions affecting the gastrointestinal and urogenital systems.

### **CL07709 Endocrinology 2 Credits**

This course presents the diagnostic criteria for the study of normal and pathological conditions affecting the endocrine system.

### **CL07719 Geriatrics 2 Credits**

This course presents the study of the special problems and care associated with the geriatric patient. Methods of examination and treatment are presented.

### **CL07805\_02 Diagnostic Imaging III 5 Credits**

This course presents the role of diagnostic imaging in the investigation of common and life-threatening pain syndromes encountered in primary care. Disorders of the neuromusculoskeletal system along with the pulmonary and cardiovascular system are presented. Small group teaching is included.

### **CL08701 Nutritional Science II 3 Credits**

This course presents a detailed study of human biochemistry of micronutrients, their relationship with macronutrients, and how nutrition influences metabolism, cells, and body function. Vitamins and minerals will be discussed in relation to metabolism and digestion. The clinical signs and symptoms of nutritionally-related disorders and biochemical and laboratory assessment will be introduced.

### **CL08706\_02 Competency Module I: Clinical Laboratory Interpretation I 1 Credit**

This course is designed to reiterate and improve laboratory diagnostic skills and clinical decision making through exercises in a case-based format. Emphasis is placed on the interpretation and correlation of laboratory results with other clinical findings and establishment of care plans following diagnosis.

### **CL08712 Rheumatology 2 Credits**

This course presents the study of the rheumatic diseases, emphasizing pathophysiology, clinical manifestations, diagnosis, and management.

### **CL08713X OB/GYN: Clinical 2 Credits**

This course discusses the common gynecological problems seen in adolescent females, young women, premenopausal women, and post-menopausal women. Emphasis is placed on conditions that may be life threatening. In addition, pregnancy, labor, delivery, and postpartum issues are discussed. The role of Chiropractic in obstetrics and gynecology is also discussed.

**CL08714 Dermatology 2 Credits**

This course presents the study of diagnosis of the clinical entities involved in normal and pathological conditions affecting the skin.

**CL08806 Diagnostic Imaging IV 3 Credits**

This course integrates conventional radiography with advanced diagnostic imaging techniques in the evaluation of ambulatory care disorders. Emphasis is placed on the appropriate indications for the use of advanced imaging. Small group teaching is included.

**CL08807\_02 Competency Module II: Radiology Conference 1 Credit**

This course supplements the student's knowledge in diagnostic radiology and provides insight into the types of cases that enter the chiropractor's office and through the Logan Clinic System. It is an interactive process wherein students participate in dialogue during the process of radiographic interpretation of cases seen in the Logan Clinics.

**CL08808\_02 Competency Module III: Positioning 1 Credit**

This is a review course of patient positioning for radiography of the axial and appendicular skeleton as utilized in the Logan Clinics.

**CL09702 Clinical Nutrition in Human Systems 3 Credits**

This course presents a detailed study of the principles of nutrition concentrating on their biochemical, physiological, and pathological relationship to the management of acute and chronic conditions affecting humans. Topics taken into consideration include diet, exercise, lifestyle changes, and nutritional supplementation. The signs, symptoms, and diagnostic testing will be discussed for each condition, with special emphasis on neuromusculoskeletal and other conditions encountered in clinical practice.

**CL09708\_02 Competency Module V: Clinical Laboratory Interpretation II 1 Credit**

This course is a second clinical lab interpretation module allowing students to continue improving their laboratory diagnostic skills and clinical decision making processes through exercises in a case-based format. Emphasis is placed on the interpretation and correlation of laboratory results with other clinical findings and establishment of care plans following diagnosis.

**CL09716 Differential Diagnosis 2 Credits**

This course addresses the strategy of differential diagnosis in the primary care setting. The most commonly encountered patient complaints are addressed in terms of pathophysiology, clinical features, and appropriate testing protocol.

**CL09717 Clinical Psychology 3 Credits**

This course presents selected topics from the discipline of psychology based on relevance to Chiropractic. Classes are conducted in a lecture/discussion format with emphasis on applying the principles and methods of psychology to chiropractic practice. Topics include the psychology of physical health and illness, mental health and illness, the doctor-patient relationship, and effective communication.

**CL10713y OB/GYN: Topics in Women's Health 2 Credits**

This course emphasizes the practical management of conditions relevant to women. The multi-disciplinary approach taken includes gender differences in health care, health maintenance and disease prevention, risk factors, and the manifestations, natural course, and treatment of disease. The discussions of each system will emphasize characteristics of each life phase – adolescence, reproductive age, menopause, and the postmenopausal years. Chiropractic care and complementary approaches to women's health issues will be emphasized.

**CL99901r Minor Surgery (elective) 4 Credits**

This is an elective course available upon request to students at Trimester 8 or above that teaches the concepts and applications of minor surgery required for licensure in Oregon.

**Health Center Division and Clinical Competencies**

Health Center Division activities are an integral part of the educational process. It is here that the student intern, under the supervision and guidance of experienced, licensed Doctors of Chiropractic, acquires first-hand knowledge of patient care in chiropractic practice. The major objective is to develop through practice and clinician mentoring a level of clinical competence acceptable for entry into the profession in the following areas of clinical competency:

1. History Taking. The student recognizes the importance of obtaining a concise, organized, comprehensive case history, formulating an initial clinical impression, and demonstrating empathy for the patient.
2. Physical Examination. The student demonstrates the ability to conduct and record a thorough and comprehensive physical examination, correlate information obtained with the history, and maintain an atmosphere conducive for patient comfort.
3. Neuromusculoskeletal Examination. The student understands the mechanisms of neuromusculoskeletal tests, demonstrates the ability to perform an examination, and recognizes normal, variant, and abnormal findings, and interprets the clinical significance.

4. Psychosocial Assessment. The student recognizes the inter-relationships among biological, psychological, and social factors in patient behavior and health status, establishes good doctor-patient relationships, and recognizes clinical indications for referral or comanagement.

5. Diagnostic Studies. The student recognizes the importance and necessity for the use of diagnostic imaging, clinical laboratory, and specialized testing procedures, demonstrates ability to perform procedures, integrates findings with other examinations, and understands the significance of findings.

6. Diagnosis or Clinical Impression. The student understands importance and necessity of collecting sufficient clinical information and demonstrates clinical reasoning in formulating a diagnosis that is consistent with history and examination findings.

7. Case Management. The student develops and accurately records treatment plans consistent with findings from the history, examinations, and diagnostic studies, demonstrates effective communication skills with patient, and shows an awareness of the need for accurate and current information in patient records.

8. Adjusting Competencies. The student demonstrates adjusting ability that uses controlled force, leverage, direction, amplitude, and velocity directed at specific articulations and recognizes clinical indications and rationale for adjusting, as well as contraindications.

9. Emergency Care Competencies. The student demonstrates the ability to identify an emergency or life-threatening situation and deliver the necessary care or procedures effectively. The student is aware of available local emergency care resources, and is able to provide first aid and basic cardiac life support.

10. Case Follow-up and Review. The student recognizes the need to monitor patient's response to care, has the ability to modify treatment plan consistent with current clinical information, and appreciates the benefits of referral when indicated.

11. Record Keeping. The student appropriately and accurately maintains documentation of patient's evaluation, diagnosis, clinical care, and other transactions, recognizes the importance of patient record security and confidentiality, and understands legal requirements.

12. Doctor-Patient Relationship. The student demonstrates compassion, recognizes the importance of good communication skills, considers the patient to be a partner in the care process, displays professional behavior, and demonstrates effective and appropriate methods of touch and other non-verbal communication techniques.

13. Professional Issues. The student recognizes the obligation to the patients they serve as well as to society, exhibits ethical values and behavior, recognizes the need to maintain knowledge and clinical skills through continuing education, and is tolerant of the variety and diversity within the profession.

14. Wellness. The student recognizes the importance of lifestyle, health status, behavior, and psychological factors in the overall health of the patient; is able to develop health promotion measures and include them in the context of chiropractic care; and is able to take an active role in community health care issues.

15. Ethics and Integrity. The student recognizes the need to have and practice the high moral and ethical standards expected of a Doctor of Chiropractic with regard to academic integrity, patient care, and business practices.

16. Non-Adjustive Therapeutic Procedures. The student understands the principles, physiological effects, and application of various therapeutic procedures common to Chiropractic, recognizes clinical indications and contraindication for each therapy, and demonstrates competency in usage.

The intent of these competencies is to address the minimal acceptable clinical criteria necessary to the conduct of the competent practice of Chiropractic. They identify the knowledge, skills, and attitudes expected of the non-specialist, primary care Doctor of Chiropractic. This skill level is implicit in the first professional degree awarded by a college holding status with the CCE. They represent those minimal skills a candidate must demonstrate upon completion of the educational program with resident clinical experience in a status-holding institution with CCE.

**HC05901\_02 Health Center Practicum I 2 Credits**

This course introduces students to the clinical setting with two major objectives: patient evaluation and record keeping. During the course students are introduced to the section of the HIPAA regulations regarding confidentiality and security of the patients' records, they learn about problem-oriented medical records, and they refine their skills in chiropractic analysis, physical examinations, and orthopedic examinations utilizing clinic forms. Students are also assigned clinical rotations in the Student Health Center where they observe and scribe patient visit procedures.

**HC06902\_02 Health Center Practicum II 4 Credits**

In both lecture and lab format students focus on patient evaluation, development of a treatment plan with measurable treatment goals, and implementation of the treatment plan, rendering care to each other under close supervision by Student Health Center clinicians. Patient communication and documentation strategies, including Report of Findings and Informed Consent, continue at this level. Case development and treatment plan strategies are discussed. Students must fulfill the requirements of this practicum, pass all courses for trimester 1 through 6, and successfully pass all the portions of the Competency Board Examination before proceeding to the next Health Center Practicum level.

**HC07904r Health Center Practicum III 4 Credits**

Clinical experience under the supervision of clinical faculty continues in this practicum. Students are assigned shifts as the treating interns for the student and the student family patient populations. Integration of low technology rehabilitation into the patients' care plan is discussed and applied. Patient communication, education, and marketing approaches are discussed. Students analyze and submit radiographic, urinalysis, and blood count impression reports. All the requirements of this practicum must be completed before proceeding to the next Health Center Practicum level.

**HC08905\_01 Health Center Practicum IV 4 Credits**

Level IV of the Health Center Practicum series is an introduction to the delivery of outpatient health care services. The student intern will be assigned a clinic location and times of floor duty. This assignment will include rotations through the outreach programs. These rotations include practical experience in the following areas: doctor-patient communication, case management design, and patient care.

**HC08905\_02 Competency Module IV:****Case Report 1 Credit**

This course is designed to provide interns with the skills necessary to write and present a clinical case in a format appropriate for consulting with other professionals, as well as developing a case report for publication in a peer-reviewed journal.

**HC08906\_02 Competency Module VI:****Marketing I 0 Credit**

This module reinforces the student's use of the communication skills necessary for patient procurement and retention.

**HC09906\_01 Health Center Practicum V 4 Credits**

Patient care experience continues in this course with participation in on-campus, satellite, and community service facilities. The primary focus of this practicum is participation

in patient care and development of clinical competency. Basic and advanced biomechanics and evaluation and treatment of aberrant function in the musculoskeletal system are reviewed from a clinical perspective. Clinical conferences are available to provide supportive clinical education.

**HC09906\_02 Competency Module VII:****Marketing II 1 Credit**

This course is a continuation of marketing module I, and students receive credit for all activities completed during both modules.

**HC10907\_01 Health Center Practicum VI****and Preceptorship 7 Credits**

Interns complete Health Center requirements and participate in a variety of activities designed to enhance exposure to different clinical settings. Outside preceptorships provide an opportunity to spend time in the practice of an off-campus or out-of-state Doctor of Chiropractic. Field rotations in local practicing chiropractor's offices provide the opportunity for interns to continue to treat their patients in the clinics while spending time observing care delivery in a private practice. Limited opportunities exist for month-long rotations through Des Peres Hospital. These rotations provide interns the opportunity to expand their clinical experience in an inpatient setting. Rotation assignments through the clinic at the Veterans Administration Medical Center are available for interns that are selected to participate in that program. These opportunities, combined with in-house preceptorships, help conclude a well-rounded clinical experience.

**HC10100 Emergency Procedures 1 Credit**

This course provides the student with the requisite understanding and abilities to identify an emergency or life-threatening situation and apply the necessary care or procedures within or outside the office setting.

**MSR Courses****MSR5000 Anatomy of Human Motion 3 Credits**

This course is a detailed study of the functional anatomy of structures needed for motion, including the major joints, muscles, ligaments, tendons, blood supply, and nerves. Major components of the course include descriptive lectures and demonstrations.

**MSR5020 Anatomy of Human****Motion Prosection 1 Credit**

This course is a detailed study of human cadaver prosections of the major joints, muscles, ligaments, tendons, blood supply, and nerves taught in the related lecture course.

**MSR5100 Psychology of the Athlete 2 Credits**

This course is a detailed study of the psychological and emotional aspects of competition and its social stress, with focus on approaches to knowledge, goal setting, stress management, psychological skills training, and review of current research.

**MSR5200 Exercise/Cardiorespiratory****Physiology 3 Credits**

This course is a detailed study of the human physiological responses to activity and exercise, concentrating on general physiological principles that take place in all components of the neuromusculoskeletal and cardiorespiratory systems as the result of activity and exercise. Demonstrations, a laboratory, and a review of the current literature are featured. Pre- or co-requisites: Anatomy of Human Motion (MSR5000) and Anatomy of Human Motion Prosection (MSR5020).

**MSR5300 Research Methodology 2 Credits**

In this course students learn to evaluate the scientific/clinical literature for validity of scientific findings as well as for clinical significance. They will also learn how to identify a research problem, search and review the literature, design an experiment, collect and analyze data.

**MSR5350 Jurisprudence 2 Credits**

In this course students will receive a general background in legal basics including criminal versus civil law, liability, torts, and negligence. This course covers the consequences of illegal and unethical behavior in health care professions. Federal and state case law and regulations that affect the health care industry are discussed.

**CL08701 Nutritional Science II 3 Credits**

This course presents a detailed study of human biochemistry of micronutrients, their relationship with macronutrients, and how nutrition influences metabolism, cells, and body function. Vitamins and minerals will be discussed in relation to metabolism and digestion. The clinical signs and symptoms of nutritionally-related disorders and biochemical and laboratory assessment will be introduced.

**MSR5500 Orthopedics 4 Credits**

This course presents the specific orthopedic and neurological examinations of the cervical spine and the extremities, including an overall review of orthopedic/neurological examination procedures. Prerequisite: Anatomy of Human Motion (MSR5000).

**MSR5520 Biomechanics 2 Credits**

In this course the biomechanics of the human body is discussed in detail, with special emphasis on spinal biomechanics, gait analysis, and the lever systems of the

body. The course also includes analysis of strength of materials of the human body.

**MSR5540 Advanced Biomechanics 3 Credits**

This course presents a detailed study of spinal and extremity mechanics/stability, emphasizing ergonomics, gait, levers, and pathokinesiology of joints. Major components of this course include descriptive lectures, demonstrations, hands-on laboratory, and review of the current literature.

**MSR5600 Principles of Physical Therapy I 2 Credits**

This course presents an introduction and history of therapeutic modalities, including indications and contraindications and physical and physiological effects. Demonstrations and a practical component are included.

**MSR5620 Principles of Physical Therapy II 3 Credits**

This course is a continuance of Principles of Physical Therapy I and includes the most commonly-practiced therapeutic physical agents in the field of physical medicine and their specific applications. Demonstrations and a practical component are included.

**MSR5640 Principles of Physical Therapy III 4 Credits**

This course is a study of clinical rehabilitation, employing therapeutic exercise concepts and principles to interpret and analyze normal and abnormal human anatomy and physiology so as to better understand and manage neuromusculoskeletal conditions.

**MSR5650 Special Topic(s) –Elective 1-4 Credits**

This is a course that stresses recent developments and contemporary practice germane to the major.

**MSR5701 Sports Nutrition Practicum 3 Credits**

This course is a detailed study of the nutritional assessment, dietary habits, and nutritional needs of the athlete in relationship to level of activity. It includes a detailed study of the natural performance enhancement supplements used by athletes with regard to their risks and benefits. The course will also address natural supplements and pharmaceuticals considered illegal for use by an athlete and a review of the current literature. Prerequisite: Clinical Nutrition (MSR5400 or CL08701).

**MSR5702 Sports & Exercise Science 3 Credits**

This course is a study of general topics in sports science including youth, adolescent, and adult participation assessments, assessment of upper and lower extremities in relationship to injury, return to play criteria, and common injuries involving non-musculoskeletal systems. Radiographic findings in common sports injuries are reviewed. Demonstrations, a practical component, and a review of current literature are featured. Prerequisites: Anatomy of Human Motion Lecture (MSR5000), Anatomy of Human Motion Prosection (MSR5020), and Orthopedics (MSR5500 or CH04203\_02).

**MSR5703 Sports Emergency Care Practicum 4 Credits**

This course is a detailed study of on-field assessment procedures for emergency care, including head and spinal injuries, obtaining vital signs, stabilizing the injured area, and mode of transportation from the field based on the severity of injury. Specific injuries associated with female, pediatric, and older athletes will be discussed. Demonstrations, a practical component, and review of the current literature are featured. Prerequisites: Anatomy of Human Motion Lecture (MSR5000), Anatomy of Human Motion Prosection (MSR5020), and Orthopedics (MSR5500 or CH04203\_02).

**MSR5704 Sports Exercise Testing and Prescription Practicum 3 Credits**

This course is a detailed study of exercise testing and prescription for all age groups at every athletic level, including special needs and at-risk athletes. Exercise prescription, testing for optimal performance and wellness, demonstrations, a practical component, and review of the current literature are featured. Prerequisites: Orthopedics (MSR5500 or CH044203) and Psychology of the Athlete (MSR5100).

**MSR5705 Active and Passive Upper Extremity Rehabilitation Practicum 4 Credits**

This course is a detailed study of current active and passive rehabilitative and strengthening protocols used in the prevention and treatment of sport and musculoskeletal injuries. Students will learn bracing/taping techniques in the stabilization and treatment of upper extremities, cervical, and thoracic spinal joint injuries. Specific joints injuries associated with a specific activity of the upper extremities such as shoulder and elbow injuries in pitchers will be discussed. Demonstrations, a practical component, and review of the current literature are featured. Prerequisites: Principles of Physical Therapy I Therapeutic Modalities (MSR5600 or CH05402\_02) & Principles of Physical Therapy II Rehabilitation (MSR5620 or CH07402).

**MSR5706 Active and Passive Lower Extremity Rehabilitation Practicum 4 Credits**

This course is a detailed study of current active and passive rehabilitative and strengthening protocols used in the prevention and treatment of sport and musculoskeletal injuries. Students will learn bracing/taping techniques in the stabilization and treatment of lower extremities and lumbar spinal joint injuries. Specific joint injuries associated with a specific activity of the lower extremities will be discussed. Demonstrations, a practical component, and review of the current literature are featured. Prerequisites: Principles of Physical Therapy I Therapeutic Modalities (MSR5600 or CH05402\_02) & Principles of Physical Therapy II Rehabilitation (MSR5620 or CH07402).

**MSR5800 Clinical Internship 6 Credits**

This internship is a 180-hour experience designed to provide advanced training under the direct supervision of a licensed health care professional or other appropriate licensed professional. The student will be working in a clinical or athletic setting approved by the University as qualified to offer specific instruction in areas of sports science and rehabilitation. Such internships may emphasize exercise programming, risk factors, health appraisal, fitness testing, injury prevention, emergency care, nutrition, weight management, electrocardiography, or other pertinent experience. Students may establish an intership at sites distant from the campus, but all selections are subject to final approval by Logan University.

Assistance from the institution is available to facilitate the establishment of the internship.

**MSN Courses****MSN5000 Nutritional Science I 2 Credits**

This course examines the fundamentals of nutrient chemistry, metabolism, and dietetics. The macronutrients of the human diet – proteins, carbohydrates, fats, vitamins, major minerals, and trace elements – are discussed.

**MSN5010 Fundamentals of Nutrition 2 Credits**

This course introduces epidemiology and other fundamental research methods used in the field of nutrition. Major components of this course include a combination of lectures, class discussions, student presentations and short quizzes.

**MSN5020 Nutrition and Physical Performance 3 Credits**

This course presents a study of current strategies of diet and exercise as they relate to human performance. Eating habits, food preparation, and exercise used in promoting health as well as methods to increase compliance with recommendations will be discussed. Food sensitivities as they relate to physical performance are discussed.

**MSN5100 Survey of Natural Therapies 3 Credits**

This course is a detailed study of herbology, enzyme therapy, and whole food supplementation concentrating on their active substances and mechanism of action to benefit health and manage disease. Fifteen class hours will be concentrated on each of the above topical areas. Major components of this course include descriptive lectures and a review of current literature.

**MSN5200 Exercise/Cardiorespiratory Physiology 3 Credits**

This course is a detailed study of the human physiological responses to activity and exercise, concentrating on general physiological principles that take place in all components of the neuromusculoskeletal and cardiorespiratory systems as the result of activity and exercise. Demonstrations, a laboratory, and a review of the current literature are featured.

**MSN5300 Research Methodology 2 Credits**

This course provides key topics in the evaluation of the scientific/clinical literature for validity of scientific findings as well as for clinical significance. The student will learn how to identify a research problem, search and review the literature, design an experiment, and will be introduced to the process of collecting and analyzing data and writing a research proposal.

**MSN5325 Nutritional Science II 3 Credits**

This course presents a detailed study of human biochemistry of micronutrients, their relationship with macronutrients, and how nutrition influences metabolism, cells, and body function. Vitamins and minerals will be discussed in relation to metabolism and digestion. The clinical signs and symptoms of nutritionally-related disorders and biochemical and laboratory assessment will be introduced. Prerequisite: Nutritional Science I (MSN5000 or BS04505\_02).

**MSN5375 Assessment of Nutritional Status 3 Credits**

Clinical and laboratory procedures for evaluation of nutritional status will be taught including blood and other tissue analysis, dietary records, questionnaires, case histories, physical examinations, and anthropometric methods. Prerequisite: Nutritional Science I (MSN5000 or BS04505\_02). Corequisite: Nutritional Science II (MSN5325 or CL08701).

**MSN5425 Clinical Nutrition in Human Systems 3 Credits**

This course presents a detailed study of the principles of nutrition concentrating on their biochemical, physiological, and pathological relationship to the management of acute and chronic conditions affecting humans. Topics taken into consideration include diet, exercise, lifestyle changes, and nutritional supplementation. The signs, symptoms, and diagnostic testing will be discussed for each condition, with special emphasis on neuromusculoskeletal and other conditions encountered in clinical practice. Prerequisite: Nutritional Science I (MSN5000 or BS04505\_02), Nutritional Science II (MSN5325 or CL08701).

**MSN5450 Survey of Sustainable Food Systems 3 Credits**

This course presents a detailed study of food systems as they relate to human nutrition incorporating food processing, preservatives and additives, safety, and toxicity of foods. Sustainable food systems look at community nutrition programs, nutrition education, as well as the legislation and the agencies and programs that regulate human nutrition. Prerequisite: Research Methodology (MSN5300 or BS07001\_01).

**MSN5475 Lifecycle Nutrition 4 Credits**

This course will study human nutritional needs through lifecycle phases from infancy to geriatrics. Nutritional

management of emergency care, terminal illness, and surgical and traumatic care will be covered. Prerequisites: Nutritional Science I (MSN5000 or BS04505\_02), Nutritional Science II (MSN5325 or CL08701). Corequisite: Clinical Nutrition in Human Systems (MSN5425 or CL09702).

**MSN5704 Sports Exercise Testing and Prescription Practicum 3 Credits**

This course is a detailed study of exercise testing and prescription for all age groups at every athletic level, including special needs and at-risk athletes. Exercise prescription, testing for optimal performance and wellness, demonstrations, a practical component, and review of the current literature are featured. Prerequisite: Nutrition and Physical Performance (MSN 5020)

**MSN 5710 Nutritional Assessment of Athletes Practicum 3 Credits**

This course presents a detailed study of the nutritional assessment, dietary habits, and nutritional needs of the athlete in relationship to level of activity. The natural performance enhancement supplements used by athletes in regard to their risks and benefits will also be studied. Students will be made aware of the natural supplements and pharmaceuticals considered illegal for athletic use. Major components of the course include descriptive lectures and a review of the current literature. Prerequisite: Clinical Nutrition in Human Systems (MSN 5425 or CL09702)

**MSN5725 Clinical Nutrition and Human Performance Practicum 3 Credits**

This course is a detailed study of the nutritional assessment, dietary habits, and nutritional needs fundamental for optimal human performance. The student will study nutritional support of performance as it relates to the physical, mental, and emotional well-being of each person. The major components of this course include descriptive lectures, review of the current literature, and class presentations and projects. Prerequisites: Nutritional and Physical Performance (MSN5020), Clinical Nutrition in Human Systems (MSN5425 or CL09702).

**MSN5799 Comprehensive Examination 0 Credits**

This examination is taken following completion of didactic coursework, and a passing grade is required for graduation.

**MSN5800 Clinical Internship 6 Credits**

Students must complete either an internship or a thesis as part of the degree program. The internship track is a 180-hour practical designed to provide advanced training under the direct supervision of an appropriate health care professional in the areas of nutrition and human performance. Students may establish an internship at sites distant from the campus, but all selections are subject to final approval by Logan University.

### MSN5810 Thesis

### 6 Credits

Students must complete either an internship or a thesis as part of the degree program. The thesis track involves completion of a research project conducted under the direct supervision of an appropriate health care professional in the areas of nutrition and human performance. Students may participate in research projects at sites distant from the campus, but all selections are subject to final approval by Logan University.



## 3 POSTGRADUATE CONTINUING, AND RELATED PROFESSIONAL EDUCATION

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### *Postgraduate Study* \_\_\_\_\_

The Logan Postgraduate and Related Professional Education Department was established to serve the educational needs of chiropractic physicians, para-professional personnel, and the lay public.

Guided by the institutional objectives on continuing education, the Department presents offerings designed to enhance the clinical skills of the chiropractor, lead the practitioner to specialty status, and maintain a high level of awareness relative to the practice of Chiropractic.

Continuing education is part of the licensing processes in the majority of states. Special educational programs are developed by the Department to meet these needs.

You may contact the Postgraduate and Related Professional Education Department by calling (636) 227-2100, (800) 842-3234, or by faxing (636) 207-2400.

### *Objectives* \_\_\_\_\_

The objectives of the Department are:

- To present seminars that focus the training of the Doctor of Chiropractic in an area of specialty.
- To develop and present programs to advance the clinical skills of the Doctor of Chiropractic.
- To coordinate residency programs on a graduate level in specialized areas of clinical study.
- To provide Chiropractic Assistant (CA) training.

### *Organization* \_\_\_\_\_

The Vice President of Chiropractic Affairs, who directs the Postgraduate and Related Professional Education under the supervision of the President of the College, has the authority to manage the operation of the Department.

### *Records and Financial Management* \_\_\_\_\_

There is a detailed system of records for each course presented to include matriculation, attendance, grade (if applicable), and financial management.

### *Faculty Requirements* \_\_\_\_\_

The postgraduate faculty possesses the same academic qualifications as the faculty in the professional degree program. All appointees have appropriate degrees, experience, and qualifications commensurate with the requirements of a specific offering.

Information regarding appointment to the postdoctoral and related professional education faculty may be obtained from the Department.

### *Scholastic Requirements* \_\_\_\_\_

All matriculants must meet the prerequisites for the course. Graduates from all accredited first professional degree health provider institutions, faculty members, and students of chiropractic colleges may attend the courses.

## Curriculum

The curricula for the following types of programs have been developed and are presented in selected locations on an extension basis.

### Postgraduate Study

#### Certification Programs

- Advanced Acupuncture
- Advanced Clinical Nutrition
- Auriculotherapy
- Basic Acupuncture
- Certified Chiropractic Posture Therapy Specialist
- Certified Chiropractic Sports Physician® (CCSP)
- Chiropractic Nutrition Specialist
- Chiropractic Craniopathy
- Chiropractic Pediatrics
- Extremity Adjusting
- Insurance Consultant/Peer Review
- Internal Health Specialist
- Low Level Laser Therapy
- Manipulation Under Anesthesia (MUA)
- Rehabilitation
- Whiplash
- Whole Food Nutrition

#### Continuing Education Seminars

Continuing education seminars are developed to provide the Doctor of Chiropractic with the knowledge to update diagnostic acumen, clinical judgment, and other skills to maintain professional competence.

### Related Professional Education

#### Chiropractic Assistant Program

The Chiropractic Assistant Program offers the student an opportunity to develop the skills, understanding, and proficiency necessary to perform many of the daily responsibilities of the Chiropractic Assistant. The program includes:

- Anatomy and Physiology
- Basic X-ray Proficiency
- Clinical Training
- CPR Training
- General Office Procedures
- Laboratory Procedures
- Legal Issues
- Nutrition
- Physiological Therapeutics

These modules can also be taken as stand-alone programs, which allow students to begin the program with any given module or choose specific sessions.

#### Diagnostic Imaging Residency and Fellowship

Since 1980 there has been a program of organized study in the field of diagnostic imaging at Logan College of Chiropractic. The residency program is a three-year on-campus academic program available to Doctor of Chiropractic following successful selection by the Residency Committee. Upon completion of the program requirements, the resident is eligible to sit for an examination given by the American Chiropractic Board of Radiology. Passage of the examination certifies the doctor as a Diplomate of the American Chiropractic Board of Radiology (DACBR).

Chiropractic diagnostic imaging is a referral specialty, providing consultation services at the request of other physicians. Radiologists supervise and interpret routine radiology as well as complex imaging procedures. They advise referring physicians on the necessity and appropriateness of radiology services. They also provide assistance in clinical decision making with regard to maximum benefit and yield of procedure information to the patient.

The Diagnostic Imaging Fellowship is a comprehensive academic and clinical training program covering the full continuum of diagnostic imaging. The program incorporates core training as well as research opportunities for an optimal training experience over a two-year period. Completion of the program prepares chiropractic radiologists for a career in private practice, academics, or research.

The fellowship has an important role in clinical and radiological chiropractic education and provides one-on-one training to develop the skills essential for in the performance and interpretation of all diagnostic imaging studies. The goal is to develop a high level of competence as chiropractic physicians who are able to practice independently and who will dedicate themselves to the delivery of quality chiropractic health care throughout their careers.

The program provides a comprehensive training experience in the full range of diagnostic imaging under expert faculty supervision, including plane film, MRI, CT, radionuclide bone imaging, and diagnostic ultrasound. The emphasis of the residency is on general diagnostic imaging, but with a comprehensive subspecialty training focus in all areas of musculoskeletal radiology, particularly in musculoskeletal ultrasound.

#### Sports Science and Rehabilitation Residency

The Residency Program in Sports Science and Rehabilitation is a two-year program designed to combine contemporary educational advancements in sports and injury management with the clinical demands of being a sports chiropractic physician.

During the first year, a junior resident completes 12 objective packets that coincide with the objectives of the Certified Chiropractic Sports Physician (CCSP) program. While completing these packets, the resident is also required to complete coursework in the Master's Degree in Sports Science and Rehabilitation. A junior resident is responsible for staffing and managing the Clinical Red Badge training program and providing clinical oversight in the BIOFREEZE Center in the Montgomery Health Center on the Logan campus. At the completion of the first year, a junior resident must take and pass the CCSP examination in order to advance to a senior resident position.

The focus of a senior resident is clinical oversight and designing strength, conditioning, and exercise programs for all levels of sports participation, as well as for community service. The senior resident also participates in instruction in rehabilitation courses. A senior resident must take the National Academy of Sports Medicine certifications for Performance Exercise Specialist and Corrective Exercise Specialist, as well as the National Strength and Conditioning Association's Certified Strength and Conditioning Specialist certification. A senior resident is also expected to qualify to test for diplomate status with the American Chiropractic Board of Sports Physicians by the end of the second year of residency.

Residents also function as medical directors at local and national sporting events. These experiences encompass all tenants of a sports physician's education from staffing to formulating equipment needs to developing emergency plans for the events.

All residents are required to be engaged in research projects to be presented to peer-reviewed journals for publication.

For detailed information about the Residency Programs, including eligibility requirements, please contact the Human Resources office at (636) 227-2100.





# 4 ADMISSION AND STUDENT STATUS

## Introduction

Address all inquiries to:

Admissions Office  
 Logan College Of Chiropractic/University Programs  
 1851 Schoettler Road  
 P.O. Box 1065  
 Chesterfield, MO 63006-1065  
 Admissions Office: (800) 533-9210  
 FAX: (636) 207-2425  
 Email: loganadm@logan.edu  
 Website: www.logan.edu

Please specify desired admission date (September, January, or May) on your inquiry.

Logan subscribes to the policy of equal opportunity education. All candidates are judged on personal merit in terms of intellectual ability, scholastic achievement, demonstrated aptitude, potential, and motivation. Only the most qualified applicants are accepted for admission. Admitted students are expected to complete all coursework in the curriculum.

## Bachelor of Science Degrees in Human Biology/Life Science

### Admission Requirements

Students applying for a BS degree should have a minimum of 30 semester hours taken at a regionally accredited college or university.

Evaluation of previously earned course credits is done at the time of application. Coursework taken from other institutions with an earned grade below "C" (2.00 on a 4.00 scale) is not transferable to the undergraduate program. Separate grades earned for a lecture course and its corresponding laboratory may be averaged. All prerequisite coursework must be successfully completed prior to entrance into the degree major coursework.

### Prerequisite Coursework Requirements for the Bachelor of Science Degrees

#### BS in Human Biology

<u>General Studies</u>	<u>Credits (semester)</u>
Psychology .....	3
English .....	6
Social Science .....	9
Humanities .....	6

<u>General Science*</u>	<u>Credits (semester)</u>
Biology I .....	4
Biology II .....	4
General Chemistry I .....	4
General Chemistry II .....	4
Organic Chemistry I .....	4
Organic Chemistry II .....	4
Physics I .....	4
Physics II .....	4
College Algebra .....	3

\*Each of the prerequisite science courses except College Algebra must have an accompanying laboratory experience.

#### BS in Life Science

<u>General Studies</u>	<u>Credits (semester)</u>
Psychology .....	3
English .....	6
Social Science and/or Humanities .....	15
Elective .....	3

<u>General Sciences</u>	<u>Credits (semester)</u>
Biological Science and associated labs .....	6
General Chemistry .....	3
Organic Chemistry and/or Biochemistry .....	6
Additional Chemistry .....	3
(Two of the above chemistry courses must include an associated lab each)	
Physics and associated lab .....	3
Physics, Biomechanics, Kinesiology, Statistics, or Exercise Science (no lab required) .....	
College Math .....	3

### Competencies for Admission/Enrollment

The following are physical qualifications that are essential to successful participation in the BS degree program at Logan. All students admitted to the program must be able to meet the following physical qualifications, with or without reasonable accommodation:

- Physical and mental abilities that provide for successful participation and completion of the standard curriculum;  
  
Numbers 2-7 pertain to students pursuing joint BS/DC degrees.
- An auditory sense sufficient to record patient history and patient interrogations and provide for routine patient safety, services, and other auditory instrumentation;
- A visual sense sufficient for reading radiographs and identification of histological, cytological, microbiological, and pathological structures through microscopy;
- Tactile perceptiveness as it relates to diagnosis and treatment of human ailments;
- Manual dexterity in order to perform within the laboratory settings of the basic, clinical, and chiropractic sciences;
- The physical strength and coordination to perform the common chiropractic manipulative techniques; and
- The physical strength and coordination of the extremities necessary to apply chiropractic adjustive procedures common to the competent practice of Chiropractic.

This overview is merely a general description of the detailed competencies. A detailed listing is contained in the *CCE Standards for Doctor of Chiropractic Programs and Requirements for Institutional Status*. A copy may be obtained from Logan's LRC.

### Application Procedure

Classes are enrolled in January, May, and September. It is recommended that applicants begin the process at least three months prior to the date of desired matriculation. To apply, send the completed application form and the \$50.00 application fee to the Admissions Office. An online application is available at [www.logan.edu](http://www.logan.edu).

Application for the baccalaureate degree is separate from the application for the Doctor of Chiropractic degree, but both are generally accomplished simultaneously. Enrollment in the Doctor of Chiropractic program is not a requirement for entrance into the undergraduate program. A Doctor of Chiropractic student who did not apply for a baccalaureate degree at the time of matriculation may make application through the Office of the Registrar.

In addition to submitting an application, you must also have official transcripts sent from all colleges/universities attended to Logan's Admissions Office. Applicants who have completed fewer than 60 college semester hours must also submit high school transcripts. Transcripts must be received directly from the sending institution to be official.

### International Student Application

An international student seeking admission to Logan must provide the following documentation in addition to other admission requirements:

- Proficiency in English: iBT (internet based) TOEFL scores with the following minimums:
 

Total .....	79
Writing .....	18
Listening .....	21
Reading .....	21
Speaking .....	19
- Submit official transcripts to the Admissions Office for evaluation. Catalogs or evaluation by an outside service may be required. If evaluation by an outside service is required, the applicant must bear this expense.
- Meet the equivalent educational requirements as students matriculating from the United States.
- Provide evidence of having financial resources or funding commitment sufficient to complete at least one full year of full-time attendance.
- Meet all applicable legal requirements for study in the United States.

It is recommended that the student submit all records at least six months prior to the requested date of admission.

### Registration and Orientation

The initial registration process for new students is completed through mail or in person in the Admissions Office prior to the first day of class. Returning undergraduate students are pre-registered during the last four weeks of the prior trimester. Registration is complete when all financial, academic, and professional requirements have been met, at which time the student may attend assigned classes. Failure to register may result in added fees or denial to attend class. Questions regarding registration should be directed to either the Office of the Registrar or the Vice President of Academic Affairs.

All new undergraduate students are required to participate in an orientation program the day before classes begin. Students meet faculty, administration, and Student Doctors Council representatives for an introduction to the facilities, educational programs, policies, regulations, and philosophy of Logan.

### Bachelor of Science Degree Requirements

Only students who have satisfied all of the following requirements are eligible to receive a Bachelor of Science degree from Logan University.

1. The student must be in good academic standing and must have completed satisfactorily the required course of study as presented at Logan.
2. The student must have completed a minimum residency of three trimesters of full-time enrollment at Logan.
3. Candidates for the Bachelor of Science in Human Biology degree must have earned at least 75% of the required major credits at Logan.
4. The student must have demonstrated satisfactory professional ethics and moral conduct in all phases of student life.
5. The student must have discharged all financial indebtedness to Logan and must have received clearance from all departments.

In addition to meeting the required academic and personal standards of Logan, students are expected to participate in special programs, such as all-school assemblies and convocations, presented by the University to expand and enhance the students' educational experience.

## Doctor of Chiropractic Degree \_\_\_\_\_

### Admission Requirements

1. Although a baccalaureate degree is not required for admission, the following minimum requirements for admission to Logan College of Chiropractic apply to all candidates.
  - a. All matriculants must furnish proof of having earned a minimum of 90 semester hour credits of appropriate pre-professional education courses at an institution or institutions accredited by a nationally recognized agency. Included in these credits must be a minimum of 48 semester hour credits in the course areas noted immediately below. In addition, all matriculants must have earned a cumulative grade point average of at least 2.50 on a scale of 4.00 for the courses listed immediately below and for the required 90 semester hours. Quarter hour credits are converted to equivalent semester hour credits. In situations where one or more courses have been repeated with equivalent courses, the most recent grade(s) may be used for grade point average computation and the earlier grade(s) may be disregarded.
  - b. All matriculants must present a minimum of 48 semester hours of credit (or the quarter hour credit equivalents), distributed as follows:

English Language Skills .....	6 semester hours
Psychology .....	3 semester hours
Social Sciences or Humanities...	15 semester hours
Biological Sciences* .....	6 semester hours
Chemistry** .....	12 semester hours
Physics & related studies*** .....	6 semester hours

In each of the six distribution areas above, no grades below 2.00 on a 4.00 scale may be accepted.

In each of the six distribution areas, if more than one course is taken to fulfill the requirement, the course contents must be unduplicated.

\*The Biological Sciences requirement must include pertinent laboratory experiences that cover the range of material presented in the didactic portions of the course(s).

\*\*The chemistry requirement may be met with at least 3 semester hours of general or inorganic chemistry and at least 6 hours of organic chemistry and/or biochemistry courses with unduplicated content. At least 6 semester hours of the chemistry courses must include pertinent related laboratory

experiences, which cover the range of material presented in the didactic portions of the courses.

\*\*\*The physics requirement may be met with either one or more physics courses with unduplicated content (of which one must include a pertinent related laboratory that covers the range of material presented in the didactic portions of the course), or three (3) semester hours in physics (with laboratory) and three (3) semester hours in either biomechanics, kinesiology, statistics, or exercise physiology.

In the event an institution's transcript does not combine laboratory and lecture grades for a single course grade, the admitting institution may calculate a weighted average of those grades to establish the grade in that science course.

2. Students who have earned a portion of the prerequisite credits through examination or means other than formal course work, as identified by an institution accredited by a nationally recognized agency that formally has accepted or awarded such credits, may be admitted to the DC degree program upon receipt of such evidence by the program. The DC degree program will document and retain evidence which identifies how such admission requirements were met.
3. Students who hold a degree leading to licensure/registration in a health science discipline at the baccalaureate level or above with an earned cumulative grade point average of at least 2.50 on a scale of 4.00, or who hold a baccalaureate degree from an institution accredited by a nationally recognized accrediting agency with an earned grade point average of at least 3.25 on a scale of 4.00, may be admitted to the DC degree program upon presenting evidence that their academic preparation substantially meets the requirements for admission.
4. Logan shall accept, on a preferential basis, students who have all prerequisites for admission and who present with 90 or more semester hours with a cumulative grade point average of 3.00 or higher on a 4.00 scale or a Bachelor's degree.

Note: The prerequisites for those DC applicants wishing to earn the BS degree in Human Biology or the BS degree in Life Science are different. See the descriptions of the BS degree programs for specific details.

Also, the above prerequisites represent minimum CCE requirements. The applicant is responsible for knowledge of individual state requirements for licensure.

### Competencies for Admission/Enrollment

The following are physical qualifications that are essential to successful participation in the DC degree program at Logan. All students admitted to the program must be able to meet the following physical qualifications, with or without reasonable accommodation.

1. Physical and mental abilities that provide for successful participation and completion of the standard chiropractic curriculum;
2. An auditory sense sufficient to record patient history and patient interrogations and provide for routine patient safety, services, and other auditory instrumentation;
3. A visual sense sufficient for reading radiographs and identification of histological, cytological, microbiological, and pathological structures through microscopy;
4. Tactile perceptiveness as it relates to diagnosis and treatment of human ailments;
5. Manual dexterity in order to perform within the laboratory settings of the basic, clinical, and chiropractic sciences;
6. The physical strength and coordination to perform the common chiropractic manipulative techniques;
7. The physical strength and coordination of the extremities necessary to apply chiropractic adjustive procedures common to the competent practice of Chiropractic; and
8. Mental abilities sufficient to foster the development of the doctor/patient relationship in a manner that allows for the professionally effective and ethical healthcare delivery.

This overview is merely a general description of the detailed competencies. A detailed listing is contained in the *CCE Standards for Doctor of Chiropractic Programs and Requirements for Institutional Status*. A copy may be obtained from Logan's LRC.

### Application Procedure

Logan enrolls three classes each year – January, May, and September. It is recommended that applicants begin the process at least six months prior to the date of desired matriculation.

### Application

Upon receipt of enrollment materials, the completed application form and a \$50.00 non-refundable application fee should be forwarded to the Admissions Office. Application can be made online at [www.logan.edu](http://www.logan.edu).

### Transcripts

The applicant should request official transcripts to be sent to Logan’s Admissions Office from all colleges/universities attended. Transcripts must be received directly from the sending institution to be official.

### Recommendation

A letter of recommendation is required from a licensed Doctor of Chiropractic. Contact the Admissions Office if you are unable to provide such a letter.

### References

The applicant must list three persons (not relatives) who, by virtue of their occupation and/or credentials, would be considered judges of his/her professional potential. These individuals will be sent confidential evaluation forms to complete and return directly to the Admissions Office.

### Interview

A successful personal interview is required for each applicant. Arrangements for an interview can be made by contacting the Admissions Office. Interviews are conducted on the campus or, under certain circumstances, off campus.

### Final Screening of Candidates

Possible actions of the Admissions Committee are:

- Full Acceptance

The candidate meets all requirements for admission to the graduate program.

- Conditional Acceptance

The candidate has been accepted pending completion and Logan’s receipt of all admissions requirements. Full Admission will await receipt and approval of remaining documentation. A Conditionally Admitted student may enroll and begin coursework, but all outstanding documentation must be received and approved within 30 days from the start of the

trimester. Financial aid cannot be dispersed until Full Admission is awarded. If the outstanding documentation is not received within 30 days, the student will be removed from the program.

- Probational Acceptance

A student accepted on probation must have a cumulative grade point average of 2.00 or better at the end of the first full-time trimester at Logan.

- Denial

The candidate does not meet requirements for admission to the graduate program, or the Admissions Committee recommends denial to the Vice President of Academic Affairs. Final approval for admission to the Master’s degree programs rests with the Office of Vice President of Academic Affairs, in consultation with the Office of the President.

### Tuition Deposit and Payment

Following either full or conditional acceptance, the applicant is informed of a date for the payment of a \$300.00 tuition deposit. This deposit is non-refundable and may not be transferred to another person. Upon receipt of the tuition deposit a seat will be held in the class for which the applicant has applied.

The \$300.00 tuition deposit is considered part of the total tuition. At the time of registration the student is expected to have made appropriate arrangements through the Financial Aid office to have a loan in process or to be responsible to pay the remainder of tuition and fees in full. All tuition and fees are payable in US dollars.

### International Student Application

An international student seeking admission to Logan College of Chiropractic must provide the following documentation in addition to the aforementioned admission requirements:

1. Proficiency in English: iBT (internet based) TOEFL scores with the following minimums:

Total .....	79
Writing .....	18
Listening .....	21
Reading .....	21
Speaking .....	19

2. Submit official transcripts to the Admissions Office for evaluation. Catalogs or evaluation by an outside service may be required. If evaluation by an outside service is required. If evaluation by an outside service is required, the applicant must bear this expense.
3. Demonstrate academic preparation substantially equivalent to that possessed by beginning students admitted from United States institutions.
4. Provide evidence of proficiency in the subject matter of each course for which credits are accepted.
5. Provide evidence of having financial resources or funding commitment sufficient to complete at least one full year of full-time attendance.
6. Meet all applicable legal requirements for study in the United States.

It is recommended that the student submit all records at least six months prior to the requested date of admission.

### Transfer Student Application

A student currently enrolled in a health sciences first professional or graduate degree program who wishes to transfer to Logan must meet all of the standard requirements for admission and follow all of the standard application procedures. Information regarding transfer credit and advanced standing is detailed elsewhere in the *Catalog*.

### Registration and Orientation

New Trimester 1 students register during orientation. All other students are pre-registered during the last four weeks of the prior trimester. Registration is complete when all financial, academic, and professional requirements have been met, at which time the student may attend assigned classes. Failure to register may result in added fees or denial to attend class. Questions regarding registration should be directed to either the Office of the Registrar or the Vice President of Academic Affairs.

All new first trimester students are required to participate in an orientation program the day before classes begin. Students meet faculty, administration, and Student Doctors Council representatives for an introduction to the facilities, educational programs, policies, regulations, and philosophy of Logan.

### Doctor of Chiropractic Degree Requirements

Only students who have satisfied all of the following requirements are eligible to receive a Doctor of Chiropractic degree from Logan College of Chiropractic.

1. The student must be in good academic standing and must have completed satisfactorily the required course of study as presented at Logan, which consists of 10 trimesters or its equivalent.
2. The student must have completed a minimum residence of three trimesters of full time enrollment in Logan’s Doctor of Chiropractic program including the eighth, ninth, and tenth trimester Health Center practica, and not less than the final 25% of the total credits required for the degree.
3. The student must have demonstrated satisfactory professional ethics and moral conduct in all phases of student life.
4. In the course of normal progression through the academic program, all students are required to demonstrate appropriate levels of knowledge and competence. These demonstrations occur at the beginning of Trimester 7, with the Competency Board Examination. Representative topics from all areas of the curriculum are evaluated through various written and practical examinations. Students demonstrate their mastery of diagnostic and clinical procedures in an “Objective Structured Clinical Examination” format.
5. The student must have attained the age of 21 years.
6. The student must have discharged all financial indebtedness to Logan and received clearance from all departments.
7. The student must participate in the graduation ceremony. Exceptions to this requirement may be granted only by the President’s Office.

In addition to meeting the required academic and personal standards of Logan, students are expected to participate in special programs, such as all-school assemblies and convocations, presented by the College to expand and enhance the students’ educational experience. Students are also advised to take Parts I, II, III, and IV of the examinations given by the National Board of Examiners. All parts of the examination are administered semi-annually on the Logan campus.

### Requirements for Licensure for the Doctor of Chiropractic

Logan College makes every reasonable effort to qualify its students to sit for all state licensing examinations, but makes no assurance that any graduate will be qualified to take the licensing examination in any particular state or to pass such examination.

State licensing laws and Boards of Examiners' administrative rules and regulations experience periodic changes. Therefore, each candidate desiring to pursue the professional program offered by Logan is responsible to ascertain all information relative to his or her qualifications to practice in any jurisdiction that he or she selects. The Board of Trustees, officers, and faculty cannot be held responsible in this regard. Each licensing board has different requirements. In general, a licensing board may require all or part of the following to be eligible to practice:

- Proof of graduation from a recognized college of chiropractic.
- Passage of Parts I, II, III and IV of National Board of Chiropractic Examination.
- Passage of state board examinations (usually jurisprudence) and proof of professional conduct.
- Passage of other exams that are required by certain states.

Current files and requirements are maintained in the LRC and Registrar's Office. A student should review these files and information received directly from the applicable state's Chiropractic Board for changes before applying to a particular licensing board.

## *Master of Science Degree in Sports Science and Rehabilitation*

### **Admission Requirements**

1. An applicant must have earned a baccalaureate degree from an accredited college or university. If the baccalaureate degree was earned at an unaccredited institution, an accredited post-baccalaureate degree is an acceptable alternative.
2. An applicant must request that official transcripts be sent directly to Logan from the institution awarding the qualifying entrance degree. Alternatively, an applicant may "Read" and "Agree" to the Electronic Credential Verification Release form authorizing Logan to verify postsecondary transcripts.
3. An applicant must present a minimum cumulative grade point average of 2.50 on a 4.00 scale from the qualifying entrance degree.
4. An applicant must complete the following prerequisite coursework from an accredited institution with grades of "C" (2.00 on a 4.00 scale) or better in each.
  - Six credit hours of biological science.
  - Six credit hours of chemistry.
  - Three credit hours of physics and three additional

credit hours of either physics, kinesiology, exercise science, biomechanics, or statistics.

- Three credit hours of college level math.
5. An applicant must have passed Part I (a score of 375 or higher on all six subject areas) on the National Board of Chiropractic Examiners Examination OR have a 750 composite score on the Graduate Record Examination (GRE), Verbal and Quantitative sections.
  6. An applicant must present evidence of current cardiopulmonary resuscitation (CPR) certification or earn certification prior to the first practicum.
  7. An applicant must submit a completed application form and application fee.
  8. An applicant must submit contact information for three references including current name, address, phone number, and email address.
  9. An applicant is required to have a personal interview either face-to-face or via telephone.

### **Application Procedure**

1. Course enrollments occur on a trimester basis in January, May, and September. Applicants are advised to begin the process three months prior to the desired matriculation date (six months for international students). To apply send the completed application form and the \$50.00 application fee to the Admission's Office. The application form will be sent upon request (800-533-9210) or is available on the Logan website (www.logan.edu).
2. The Graduate Admissions Committee will provide one of the following recommendations to the Vice President of Academic Affairs:
  - Full Acceptance

The candidate meets all requirements for admission to the graduate program.

- Conditional Acceptance

The candidate has been accepted pending completion and Logan's receipt of all admissions requirements. Full Admission will await receipt and approval of remaining documentation. A Conditionally Admitted student may enroll and begin coursework, but all outstanding documentation must be received and approved within 30 days from the start of the trimester. Financial aid cannot be dispersed until Full Admission is awarded. If the outstanding

documentation is not received within 30 days, the student will be removed from the program.

- Denial

The candidate does not meet requirements for admission to the graduate program, or the Admissions Committee recommends denial to the Vice President of Academic Affairs. Final approval for admission to the Master's degree programs rests with the Office of Vice President of Academic Affairs, in consultation with the Office of the President.

### **International Student Application**

An international student seeking admission to Logan must provide the following documentation in addition to the aforementioned admission requirements:

1. Proficiency in English: iBT (internet based) TOEFL scores with the following minimums:
 

Total .....	79
Writing .....	18
Listening.....	21
Reading.....	21
Speaking .....	19
2. Submit official transcripts to the Admissions Office for evaluation. Catalogs or evaluation by an outside service may be required. If evaluation by an outside service is required, the applicant must bear this expense.
3. Provide evidence of having financial resources or funding commitment sufficient to complete at least one full year of full-time attendance.
4. Meet all applicable legal requirements for study in the United States.

### **Non-Degree Seeking Status**

1. An individual may apply for acceptance as Non-Degree Seeking. Normally such an individual wishes to take a limited number of graduate courses for personal enrichment or wishes to explore first-hand the flavor of the graduate program. Course pre-requisites as well as program pre-requisites for the MSR program apply for each course taken. An individual accepted as Non-Degree Seeking may subsequently apply for acceptance as a Degree-Seeking Candidate once all program admission requirements have been met. If qualified, a student may change status from Non-Degree Seeking status to Degree-Seeking status within the ten day Add/Drop period at the start of each trimester.

2. A Non-Degree Seeking student must have a qualifying degree from an accredited college or university with a cumulative grade point average of at least 2.50 on a 4.00 scale. He/she is not eligible for financial aid and is restricted to taking no more than six hours in the graduate program.

For Non-Degree Seeking students in the Sports Science and Rehabilitation program, these six hours must be selected from the following:

- Psychology of the Athlete (2 credits);
- Anatomy of Human Motion Lecture (3 credits);
- Anatomy of Human Motion Prosection (1 credit).

### **Registration and Orientation**

1. On Campus students. The initial registration process for new students is completed through mail or in person in the Admissions Office prior to the first day of class. Returning MS students are pre-registered during the last four weeks of the prior trimester. Registration is complete when all financial, academic, and professional requirements have been met, at which time the student may attend assigned classes. Failure to register may result in added fees or denial to attend class. Questions regarding registration should be directed to a Master's degree academic advisor.

All new MS students are required to participate in an orientation program the day before classes begin. Students meet faculty, administration, and Student Doctors Council representatives for an introduction to the facilities, educational programs, policies, regulations, and philosophy of Logan. If a new MS student is concurrently enrolled in another Logan program, attendance at orientation is not required.

2. Hybrid online students. The initial registration process for new students is completed through electronic or regular mail or in person in the Admissions Office prior to the first day of class. Returning MS students are pre-registered during the last four weeks of the prior trimester. Registration is complete when all financial, academic, and professional requirements have been met, at which time the student may attend assigned classes. Failure to register may result in added fees or denial to attend class. Questions regarding registration should be directed to a Master's degree academic advisor.

All new students are required to participate in one "Live Webcast Student Orientation/Demonstration" course that is offered at four different times in advance of the first day of the term and must be completed prior to the first day of the term.

3. Concurrent DC/MS students. The initial registration process for new students is completed through mail or in person in the Admissions Office prior to the first day of class. Returning DC/MS students are pre-registered during the last four weeks of the prior trimester. Registration is complete when all financial, academic, and professional requirements have been met, at which time the student may attend assigned classes. Failure to register may result in added fees or denial to attend class. Questions regarding registration should be directed to a Master's degree academic advisor.

If a new DC/MS student is concurrently enrolled in another program, attendance at orientation is not required. However, students taking an online course are required to complete the "Live Webcast Student Orientation/Demonstration" course that is offered at four different times in advance of the first day of the term and must be completed prior to the first day of the term.

**Master of Science Degree Comprehensive Examination**

As part of the degree requirements, a student must complete satisfactorily a comprehensive examination that covers all didactic information presented in the degree program. This examination will be scheduled by the student's advisor no earlier than the end of the trimester the student completes all didactic coursework.

A student becomes eligible to take this exam upon completion of all didactic coursework except for the practica and the Master's Clinical Internship. Students are encouraged to take the examination as soon as they become eligible. A student need not be registered in coursework to take the examination.

There is a \$100.00 fee to take the examination. A study guide is available and a student must achieve at least a 70% score to pass the examination.

The student can take the examination either on campus or online. A student wishing to take the examination online must secure the approval of a Master's degree academic advisor at least one week prior to taking the examination. Upon notice the Web-Based Education Department will e-mail the student login information and provide technical assistance if needed. The Web-Based Education Department will provide the student's academic advisor the results of the examination.

Additional information is available from a Master's degree academic advisor.

**Master of Science Degree in Nutrition and Human Performance**

**Admission Requirements**

1. An applicant must have earned a baccalaureate degree from an accredited college or university. If the baccalaureate degree was earned at an unaccredited institution, an accredited post baccalaureate degree is an acceptable alternative.
2. An applicant must request that official transcripts be sent directly to Logan from the institution awarding the qualifying entrance degree. Alternatively, an applicant may "Read" and "Agree" to the Electronic Credential Verification Release form authorizing Logan to verify postsecondary transcripts.
3. An applicant must present a minimum cumulative grade point average of 2.5 on a 4.0 scale from the qualifying entrance degree.
4. An applicant must complete the following prerequisite course work from an accredited institution with grades of "C" (2.0 on a 4.0 scale) or better in each.
  - Six credit hours of human anatomy and physiology with a minimum of two credit hours in each subject.
  - Four credit hours of biochemistry (organic chemistry with at least one laboratory may be substituted).
  - Three credit hours of college level math.
5. An applicant must have passed Part I (a score of 375 or higher on all six subject areas) on the Chiropractic National Board of Chiropractic Examiners OR have a 750 composite score on the Graduate Record Examination (GRE), Verbal and Quantitative sections.
7. An applicant must submit a completed application form and application fee.
8. An applicant must submit contact information for three references including current name, address, phone number, and email address.
9. An applicant is required to have a personal interview either face-to-face or via telephone.

**Application Procedure**

1. Course enrollments occur on a trimester basis in January, May, and September. Applicants are advised to begin the process three months prior to the desired matriculation date (six months for international students). To apply send the completed application

form and the \$50.00 application fee to the Admission's Office. The application form will be sent upon request (800-533-9210) or is available online at www.logan.edu.

2. The Graduate Admissions Committee will provide one of the following recommendations to the Vice President of Academic Affairs:

- Full Acceptance

The candidate meets all requirements for admission to the graduate program.

- Conditional Acceptance

The candidate has been accepted pending completion and Logan's receipt of all admissions requirements. Full Admission will await receipt and approval of remaining documentation. A Conditionally Admitted student may enroll and begin coursework, but all outstanding documentation must be received and approved within 30 days from the start of the trimester. Financial aid cannot be dispersed until Full Admission is awarded. If the outstanding documentation is not received within 30 days, the student will be removed from the program.

- Denial

The candidate does not meet requirements for admission to the graduate program, or the Admissions Committee recommends denial to the Vice President of Academic Affairs. Final approval for admission to the Master's degree programs rests with the Office of Vice President of Academic Affairs, in consultation with the Office of the President.

**International Student Application**

An international student seeking admission to Logan must provide the following documentation in addition to the aforementioned admission requirements:

1. Proficiency in English: iBT (internet based) TOEFL scores with the following minimums:

Total.....	79
Writing.....	18
Listening.....	21
Reading.....	21
Speaking.....	19

2. Official international transcripts. If evaluation by an outside service is required the applicant must bear this expense.
3. Evidence of financial resources or funding commitment sufficient to complete at least one full year of full-time attendance.
4. Evidence of meeting all applicable legal requirements for study in the United States. It is recommended that the applicant submit all records at least six months prior to the requested date of matriculation.

**Non-Degree Seeking Status**

1. An individual may apply for acceptance as Non-Degree Seeking. Normally such an individual wishes to take a limited number of graduate courses for personal enrichment or wishes to explore first-hand the flavor of the graduate program. Course pre-requisites as well as program pre-requisites for the MSN program apply for each course taken. An individual accepted as Non-Degree Seeking may subsequently apply for acceptance as a Degree-Seeking Candidate once all program admission requirements have been met. If qualified, a student may change status from Non-Degree Seeking status to Degree-Seeking status within the ten day Add/Drop period at the start of each trimester.
2. A Non-Degree Seeking student must have a qualifying degree from an accredited college or university with a cumulative grade point average of at least 2.5 on a 4.0 scale. He/she is not eligible for financial aid and is restricted to taking no more than six hours in the graduate program.

For Non-Degree Seeking students in the Nutrition and Human Performance program, these six hours must be selected from the following:

- Fundamentals of Nutrition (2 credits);
- Nutrition and Physical Performance (3 credits);
- Survey of Natural Therapies (3 credits).

**Registration and Orientation**

1. On-Campus students. The initial registration process for new students is completed through mail or in person in the Admissions Office prior to the first day of class. Returning MS students are pre-registered during the last four weeks of the prior trimester. Registration is complete when all financial, academic, and professional requirements have been met, at which time the student may attend assigned classes. Failure to register may result in added fees or denial to attend class. Questions

regarding registration should be directed to a Master's degree academic advisor.

All new MS students are required to participate in an orientation program the day before classes begin. Students meet faculty, administration, and Student Doctors Council representatives for an introduction to the facilities, educational programs, policies, regulations, and philosophy of Logan. If a new MS student is concurrently enrolled in another Logan program, attendance at orientation is not required.

2. Hybrid online students. The initial registration process for new students is completed through electronic or regular mail or in person in the Admissions Office prior to the first day of class. Returning MS students are pre-registered during the last four weeks of the prior trimester. Registration is complete when all financial, academic, and professional requirements have been met, at which time the student may attend assigned classes. Failure to register may result in added fees or denial to attend class. Questions regarding registration should be directed to a Master's degree academic advisor.

All new students are required to participate in one "Live Webcast Student Orientation/Demonstration" course which is offered at four different times in advance of the first day of the term and must be completed prior to the first day of the term.

3. Concurrent DC/MS students. The initial registration process for new students is completed through mail or in person in the Admissions Office prior to the first day of class. Returning DC/MS students are pre-registered during the last four weeks of the prior trimester. Registration is complete when all financial, academic, and professional requirements have been met, at which time the student may attend assigned classes. Failure to register may result in added fees or denial to attend class. Questions regarding registration should be directed to a Master's degree academic advisor.

If a new DC/MS student is concurrently enrolled in another program, attendance at orientation is not required. However, students taking an online course are required to complete the "Live Webcast Student Orientation/Demonstration" course which is offered at four different times in advance of the first day of the term and must be completed prior to the first day of the term.

### Master of Science Degree Comprehensive Examination

As part of the degree requirements, a student must complete satisfactorily a comprehensive examination

that covers all didactic information presented in the degree program. This examination will be scheduled by the student's advisor no earlier than the end of the trimester the student completes all didactic coursework.

A student becomes eligible to take this exam upon completion of all didactic coursework except for either the practica, the Master's Clinical Internship, or the Master's Thesis. Students are encouraged to take the examination as soon as they become eligible. A student need not be registered in coursework to take the examination.

There is a \$100.00 fee to take the examination. A study guide is available and a student must achieve at least a 70% score to pass the examination.

The student can take the examination either on campus or online. A student wishing to take the examination online must secure the approval of a Master's degree academic advisor at least one week prior to taking the examination. Upon notice the Web-Based Education Department will e-mail the student login information and provide technical assistance if needed. The Web-Based Education Department will provide the student's academic advisor the results of the examination.

Additional information is available from a Master's degree academic advisor.

### Master of Science Degree Requirements (MSR and MSN)

Only students who have satisfied all of the following requirements are eligible to receive a Master of Science degree from Logan University.

1. The student must be in good academic standing and must have completed satisfactorily the required course of study as presented at Logan.
2. The student must have completed satisfactorily the comprehensive examination.
3. The student must have demonstrated satisfactory professional ethics and moral conduct in all phases of student life.
4. The student must have discharged all financial indebtedness to Logan and must have received clearance from all departments.

In addition to meeting the required academic and personal standards of Logan, students are expected to participate in special programs, such as all-

school assemblies and convocations, presented by the University to expand and enhance the students' educational experience.

## Academic Standing

### Transfer of Credits/Advanced Standing/Proficiency Examinations

Transfer credit is defined as credit awarded for coursework successfully completed at another accredited institution and not requiring evidence of proficiency by examination. Such coursework is typically equivalent in terms of credit hours, course content, and depth of instruction to Logan coursework.

The awarding of advanced standing credit is a privilege granted by Logan to qualified students to demonstrate their knowledge in coursework that does not qualify for transfer credit.

Consideration for transfer or advanced standing credit is initiated normally by an academic advisor during the initial review of applicant files. At the same time, applicants and Trimester I students are also strongly encouraged to contact an academic advisor as soon as possible with any questions they may have regarding transfer or advanced standing credit. Requests for transfer or advanced standing credit must be received within the first 30 days following the date of matriculation.

### Bachelor of Science Degree Program

#### Transfer Credit

The following considerations apply to the awarding of transfer credit into a BS degree program.

- Coursework must have been taken at an institution recognized by a national accrediting agency and applicable to Logan's degree program.
- Only credits recorded on an official transcript of the issuing institution with an equivalent grade of 2.00 or higher on a 4.00 scale or better may be considered for transfer.
- To be considered for transfer, credits must be equivalent in terms of credit hours, course content, and depth of instruction. Students may be required to submit appropriate course syllabi and/or college catalogs in order for Logan to make these determinations. Once made by Logan, these determinations are final.

- Requests for transfer credit must be received no later than 30 days after the date of matriculation. Thereafter, transfer credit will not be considered.

#### Advanced Standing

The following considerations apply to the awarding of advanced standing credit into the BS degree program.

- Coursework must have been taken at an institution recognized by a national accrediting agency and applicable to Logan's degree program.
- Only credits recorded on an official transcript of the issuing institution with an equivalent grade of 2.00 or higher on a 4.00 scale or better may be considered for advanced standing.
- Coursework that is similar, but not equivalent, in terms of credit hours, course content, and depth of instruction to Logan courses may be considered for advanced standing credit. Students may be required to submit appropriate course syllabi and/or college catalogs.
- In all cases, eligibility is at the sole discretion of Logan, and a proficiency examination is required. A passing score is 70% or higher, and a proficiency examination may not be retaken. If the proficiency examination is passed, full credit for the course will be granted. A \$100.00 examination fee is assessed for each proficiency examination and must be paid prior to administration of the examination.

- Requests for advanced standing credit must be received no later than 30 days after the date of matriculation. Thereafter, advanced standing credit will not be considered. Proficiency examinations must be completed no later than 60 days after the date of matriculation. Thereafter, advanced standing credit will not be considered.

### Doctor of Chiropractic Degree Program

#### Transfer Credit

The following considerations apply to the awarding of transfer credit into the DC degree program.

- Coursework used for prerequisite credits for admission to the DC degree program may not also be considered for transfer credit into the DC program.
- The program or institution where the credits were earned must be acceptable to the Admissions Committee.

- The applicant must meet Logan's admissions requirements that were in force on the date the applicant originally enrolled in the program from which the transfer is being sought.
- Credits considered for transfer must have been awarded for courses taken in a CCE-accredited doctor of chiropractic degree program, or in a program accredited as a first professional degree in one of the health sciences by another nationally recognized accrediting agency, or in a graduate program in an academic discipline closely related to the health sciences offered by an institution that is recognized by a national accrediting agency.
- Only credits recorded on an official transcript of the issuing institution with an equivalent grade of 2.00 or higher on a 4.00 scale or better may be considered for transfer.
- To be considered for transfer, credits must be equivalent in terms of credit hours, course content, and depth of instruction. Students may be required to submit appropriate course syllabi and/or college catalogs in order for Logan to make these determinations. Once made by Logan, these determinations are final.
- To be considered for transfer, credits must have been awarded within five years of the date of admission to Logan, except that at its option, Logan may accept older credits if the applicant holds an earned doctorate in one of the health sciences (MD, DO, DDS, DPM) or a graduate degree in an academic discipline closely related to the health sciences.
- Coursework taken at institutions outside the United States may not be considered for transfer credit, but the student may apply for advanced standing (see below).
- Outpatient clinic requirements may not be accepted in transfer.
- A student may transfer no more than 75% of the total degree requirements to Logan, and a student must spend the final calendar year of the degree program in residence at Logan.
- Master's level coursework taken by a Logan MS student may only be considered for advanced standing credit.
- Life experience may not be considered for transfer credit.

- Requests for transfer credit must be received no later than 30 days after the date of matriculation. Thereafter, transfer credit will not be considered.

#### Advanced Standing

The following considerations apply to the awarding of advanced standing credit into the DC program.

- Coursework used for prerequisite credits for admission to the DC degree program may not also be considered for advanced standing credit in the DC degree program.
- Credits considered for advanced standing must have been awarded for courses taken in a CCE-accredited doctor of chiropractic degree program, or in a program accredited as a first professional degree in one of the health sciences by another nationally recognized accrediting agency, or in a graduate program in an academic discipline closely related to the health sciences offered by an institution that is recognized by a national accrediting agency. Coursework taken at the undergraduate 300 or 400 level may be eligible for advanced standing consideration if the awarding institution states in writing that the coursework is eligible for graduate level credit.
- Only credits recorded on an official transcript of the issuing institution with an equivalent grade of 2.00 or higher on a 4.00 scale or better may be considered for advanced standing.
- Appropriate first professional or graduate coursework that was taken more than five years prior to admission to Logan's doctor of chiropractic degree program may be considered for advanced standing credit.
- Coursework that is similar, but not equivalent, in terms of credit hours, course content, and depth of instruction to Logan courses may be considered for advanced standing credit. Relevant coursework less than half the credit value of Logan coursework may not be considered for advanced standing credit. Students may be required to submit appropriate course syllabi and/or college catalogs.
- Appropriate coursework taken at institutions outside the United States may be considered for advanced standing credit.
- Outpatient clinic requirements may not be considered for advanced standing credit.
- Life experience may not be considered for advanced standing credit.
- 

- In all cases, eligibility is at the sole discretion of Logan, and a proficiency examination is required. A passing score is 70% or higher, and a proficiency examination may not be retaken. If the proficiency examination is passed, full credit for the course will be granted. A \$100.00 examination fee is assessed for each proficiency examination and must be paid prior to administration of the examination.
- The maximum amount of advanced standing that Logan will grant to a student is 75 credits.
- Requests for advanced standing credit must be received no later than 30 days after the date of matriculation. Thereafter, advanced standing credit will not be considered. Proficiency examinations must be completed no later than 60 days after the date of matriculation. Thereafter, advanced standing credit will not be considered.

#### *Master of Science Degree Program*

#### Transfer Credit

It is understood that candidates for admission to the MS degree program may have completed coursework applicable to the degree prior to becoming a degree-seeking student in Logan's program. Consideration will be given to awarding transfer credit under the following guidelines.

- Coursework must be from a regionally or professionally accredited institution at the graduate or professional level and applicable to Logan's degree program.
- Only credits recorded on an official transcript of the issuing institution with an equivalent grade of 2.00 or higher on a 4.00 scale or better may be considered for transfer.
- To be considered for transfer, credits must be equivalent in terms of credit hours, course content, and depth of instruction. Students may be required to submit appropriate course syllabi and/or college catalogs in order for Logan to make these determinations. Once made by Logan, these determinations are final.
- To be considered for transfer, credits must have been awarded within ten years of the date of admission to Logan, or have been applied to a degree which has been earned within the past ten years.

- A student may not transfer more than 24 credit hours to Logan's MSR degree program nor more than 10 credit hours to Logan's MSN degree program.
- Life experience may not be considered for transfer credit.
- Requests for transfer credit must be received no later than 30 days after the date of matriculation. Thereafter, transfer credit will not be considered.

#### Advanced Standing

Applicants with a professional or graduate degree or coursework over ten years old from a regionally or professionally accredited institution who believe they have already taken some equivalent coursework have the option of taking proficiency examinations for advanced standing credit or retaking the courses, up to a maximum of 24 credit hours in the MSR degree program or up to a maximum of 10 credit hours in the MSN degree program. In the MSR degree program courses may be retaken in either the online or traditional format.

- Only credits recorded on an official transcript of the issuing institution with an equivalent grade of 2.00 or higher on a 4.00 scale or better may be considered for advanced standing.
- Coursework that is similar, but not equivalent, in terms of credit hours, course content, and depth of instruction to Logan courses may be considered for advanced standing credit. Students may be required to submit appropriate course syllabi and/or college catalogs.
- Life experience may not be considered for advanced standing credit.
- In all cases, eligibility is at the sole discretion of Logan, and a proficiency examination is required. A passing score is 70% or higher, and a proficiency examination may not be retaken. If the proficiency examination is passed, full credit for the course will be granted. A \$100.00 examination fee is assessed for each proficiency examination and must be paid prior to administration of the examination.
- Requests for advanced standing credit must be received no later than 30 days after the date of matriculation. Thereafter, advanced standing credit will not be considered. Proficiency examinations must be completed no later than 60 days after the date of matriculation. Thereafter, advanced standing credit will not be considered.

**Grading System - All Students**

Each student’s performance will be graded as described in the approved syllabus available to all students at the beginning of the course. A final course grade may be based on performance in written, oral, and/or practical examinations, assignments (such as reports and case histories), the demonstration of competencies or proficiencies, and class participation.

At midterm and at the end of each trimester, reports of each student’s achievements are filed with the Registrar’s Office, and final course grades are entered on the student’s permanent record. Students may view their grades on Self Serve, and may also request an official grade report from the Registrar’s Office.

The interpretations of grades that may be awarded are presented below.

A	Superior knowledge of all material and concepts presented in the course.
B & B+	Good knowledge of all material and concepts presented in the course.
C & C+	Satisfactory knowledge of all material and concepts presented in the course.
D & D+	Minimally acceptable knowledge of all material and concepts presented in the course.
F	Insufficient knowledge of all material and concepts presented in the course. The course must be repeated.
AF	Attendance Failure. The course has been failed because of absences in excess of the maximum allowable amount of 15 per cent. The grade will be calculated in grade point averages as an F and the student must repeat the course if it is not an elective.
AU	Course Audit. No point value is earned, and a grade of AU is not calculated into grade point averages.
I	Incomplete. A grade of Incomplete is awarded when a student fails to complete all of the course requirements by the end of the session. For ASP students the missing requirements must be completed within seven calendar days from the start of the session following the awarding of the Incomplete grade. For BS, MS, and DC students the time frame is fourteen calendar days from the start of the trimester. If the Incomplete

is not resolved within the required timeframe, it will be converted to a grade of F and the student must repeat the course that session. In rare circumstances exceptions may be made by the Vice President of Academic Affairs. Students receiving a grade of Incomplete will still be considered as “enrolled” in the College during the time period in which the Incomplete is rectified. Students will be charged tuition according to the tuition policies of the program for any Incompletes that are permitted to be carried past the first 14 calendar days of the new trimester.

IP	In Progress. A final course grade will be awarded at the completion of the sequence. A grade of IP is not calculated into grade point averages.
P	Pass. The student has passed the class. No point value is earned, and a grade of P is not calculated into grade point averages.
PR	Proficiency Examination Credit. The student is awarded transfer credit for the course based upon successful completion of a proficiency examination on the subject matter. No point value is earned, and a grade of PR is not calculated into grade point averages.
TR	Transfer Credit. The student is awarded transfer credit for the course. No point value is earned, and a grade of TR is not calculated into grade point averages.
W	Withdrawal. For ASP courses, official withdrawal from a course prior to the end of the fourth week of the session. For BS, MS, and DC courses, official withdrawal from a course prior to the end of the tenth week of the session. No point value is earned, and the course must be repeated if it is not an elective.
WF	Withdrawal Fail. For ASP courses, official withdrawal from a course in which the student has not earned a grade of C or better, after the fourth week of the session and prior to the course final examination. For BS, MS, and DC courses, official withdrawal from a course in which a student has not earned a grade of C or better, after the tenth week of the session and prior to the course final examination. The grade will be calculated in grade point averages as an F and the student must repeat the course if it is not an elective.

WP Withdrawal Pass. For ASP courses, official withdrawal from a course in which the student has earned a grade of C or better, after the fourth week of the session and prior to the course final examination. For BS, MS, and DC courses, official withdrawal from a course in which a student has earned a grade of C or better, after the tenth week of the session and prior to the course final examination. No point value is earned, and the course must be repeated if it is not elective.

*Accelerated and Basic Science Courses*

Letter Grade	Percent Grade	Point Value
A.....	90-100 .....	4
B+.....	85-89 .....	3.5
B.....	80-84 .....	3
C+.....	75-79 .....	2.5
C.....	70-74 .....	2
D+.....	65-69 .....	1.5
D.....	60-64 .....	1
F.....	59 and below .....	0

*Doctor of Chiropractic and Master of Science Courses*

Letter Grade	Percent Grade	Point Value
A.....	93-100 .....	4
B+.....	88-92 .....	3.5
B.....	83-87 .....	3
C+.....	78-82 .....	2.5
C.....	73-77 .....	2
D+.....	68-72 .....	1.5
D.....	65-67 .....	1
F.....	64 and below .....	0

**Academic Honors – DC Degree Program**

Academic honors for the DC degree program include the Dean’s List, graduation with academic honors, and class valedictorian. While transfer students are eligible for scholarships and other awards offered by Logan, they are not eligible for these academic honors.

*Dean’s List*

A student who meets these highly selective criteria is eligible for recognition to the Dean’s List. These requirements include:

1. Completing graduation requirements in ten consecutive trimesters.
2. Enrolling in and successfully completing all courses in the published schedule of classes each trimester.

3. A trimester grade point average of 3.50 or higher.

Each trimester a student qualifies for placement on the Dean’s List, he/she will receive a letter of congratulations from the Office of Academic Affairs.

A student who earns placement on the Dean’s List for nine consecutive trimesters will be presented with an award honoring superior academic achievement, suitable for desk or office display.

*Graduation with Academic Honors*

A student who meets the Dean’s List criteria and who also achieves a notable cumulative grade point average at the completion of the degree program will graduate with academic honors and will be recognized during the commencement ceremonies. Summa (cumulative grade point average of 3.88 or higher), magna (cumulative grade point average of 3.74 - 3.87), and cum laude (cumulative grade point average of 3.60 - 3.73) honors are recognized. Notation of this honor is also placed on the diploma.

*Valedictorian*

A student who meets the Dean’s List criteria and who graduates with the highest cumulative grade point average is recognized as class valedictorian and receives a special medal during the commencement ceremonies.

**Failures**

ASP Courses - If a course is failed, arrangements must be made through the student’s Academic Advisor to repeat the course. In the ASP if a second failure occurs, the student’s progress will be evaluated by the Committee on Academic Reinstatement to determine evidence of potential benefit from further education before arriving at a dismissal or recommendation of remedial status.

BS/DC/MS Programs - If a course is failed, unless permission is received from the Office of the Vice President of Academic Affairs, it must be retaken at the first opportunity the course is given again. To take such a course, arrangements may be made through the student’s Academic Advisor. Confirmed cheating on an examination will result automatically in an “F” for the exam and/or course. See “Policy on Student Cheating” for further information.

**Policy on Academic Deficiencies and Continuing Enrollment**

The following are consequences of academic deficiencies in all programs.

1. When coursework is repeated, the highest grade will be used to calculate the cumulative GPA. All course work taken and grades received will appear on the transcript.
2. A student on Academic Probation may not (1) hold office in any campus organization, (2) officially represent the College at any outside function, or (3) be employed by the College.

In addition, for students enrolled in the DC degree program:

3. No student on academic probation (based on the cumulative GPA) will be approved to sit for a National Board of Chiropractic Examiners examination without the written permission of the Vice President of Academic Affairs.

*Accelerated Science and Bachelor of Science Degree Programs*

1. If a student's trimester or cumulative GPA falls below 2.00, the student will be placed on Academic Probation for the next trimester of enrollment.
2. A student who has failed a course or who has been placed on Academic Probation must meet with his/her academic advisor for schedule approval. The student's academic advisor will prepare a schedule and advise the student regarding his/her academic progress and status. The academic advisor must approve the student's final schedule in order to complete the registration process and to release financial aid.
3. A student is subject to academic dismissal for any one of the following occurrences. Each student's situation will be reviewed individually by the Academic Standing Committee at midterm and after finals. The Committee can recommend tutoring, counseling, or dismissal.
  - a. The student fails to return to academic good standing (trimester and cumulative GPAs  $\geq 2.00$ ) at the end of a trimester on Academic Probation without making satisfactory academic progress towards re-establishing GPAs  $\geq 2.00$ .
  - b. The student has received three or more F's, AF's, or WF's in the same course (does not have to be consecutive).
4. If interrupted or dismissed, the student may appeal the sanction if he/she believes there were mitigating circumstances. The appeal must be submitted in writing or electronically to the Committee on Reinstatement through the Registrar's Office. Documentation of mitigating circumstances should be included with the

written appeal. Mitigating circumstances as defined by the US Department of Education (34CFR 668.34) include:

- a. Serious illness or injury to a student that required extended recovery time for significant improvement.
  - b. Death or serious illness/injury of an immediate family member.
  - c. Significant trauma in the student's life that impaired his/her emotional and/or physical health.
  - d. Other documented circumstances showing extreme or unusual hardship.
5. In line with Logan policies, the Committee on Reinstatement has the right to approve or deny readmission and to establish individual directives, restrictions, and guidelines regarding student reenrollment status. The Committee, upon consultation with the Vice President of Academic Affairs, may use discretion for students with unique circumstances. The Vice President of Academic Affairs is the final arbiter for issues associated with the reinstatement process with the advice and consent of the President.

*Doctor of Chiropractic Degree Program*

1. If a student's trimester or cumulative GPA falls below 2.00, the student will be placed on Academic Probation for the next trimester of enrollment.
2. A student who has failed a course or who has been placed on Academic Probation must meet with his/her advisor to register for the next trimester. The student's academic advisor will prepare a schedule and advise the student regarding his/her academic progress and status. The academic advisor must approve the student's final schedule in order to complete the registration process and to release financial aid.
3. A student is subject to academic interruption or dismissal for any one of the following occurrences. Each student's situation will be reviewed individually by the Academic Standing Committee at midterm and after finals. The Committee can recommend tutoring, counseling, or dismissal.
  - a. The student fails to return to academic good standing (trimester and cumulative GPAs  $\geq 2.00$ ) at the end of a trimester on Academic Probation without making satisfactory academic progress towards re-establishing GPAs  $\geq 2.00$ .

- b. The student has trimester GPAs of  $< 2.00$  in any of three of the first five trimesters of enrollment.
  - c. The student has received three or more F's, AF's, or WF's in the same course (does not have to be consecutive).
4. If interrupted or dismissed, the student may appeal the sanction if he/she believes there were mitigating circumstances. The appeal must be submitted in writing or electronically to the Committee on Reinstatement through the Registrar's Office. Documentation of mitigating circumstances should be included with the written appeal. Mitigating circumstances as defined by the US Department of Education (34CFR 668.34) include:
    - a. Serious illness or injury to a student that required extended recovery time for significant improvement.
    - b. Death or serious illness/injury of an immediate family member.
    - c. Significant trauma in the student's life that impaired his/her emotional and/or physical health.
    - d. Other documented circumstances showing extreme or unusual hardship.
  5. In line with Logan policies, the Committee on Reinstatement has the right to approve or deny readmission and to establish individual directives, restrictions, and guidelines regarding student reenrollment status. The Committee may not set requirements for readmitted students that are less than the below listed sanctions. The Committee, upon consultation with the Vice President of Academic Affairs, may use discretion for students with unique circumstances. The Vice President of Academic Affairs is the final arbiter for issues associated with the reinstatement process with the advice and consent of the President.
    - a. Academic Interruption or Dismissal After Two or Three Trimesters of Enrollment
      - If readmission is granted, the student will be required to repeat all previous coursework in which a final grade below "C" had been earned. No other classes, beyond the regular block Trimester II and III courses, as appropriate, may be taken until the above courses have been repeated and completed with a grade of "C" or better. Each course may be repeated only once, and a maximum time frame of three

trimesters is allowed to successfully repeat this coursework.

- If successful, the student is allowed to progress.
  - If unsuccessful, the student is dismissed from the program. This sanction may be appealed to the Vice President of Academic Affairs.
  - If readmission is denied, the student is dismissed from the program. This sanction may be appealed to the Vice President of Academic Affairs.
- b. Academic Interruption or Dismissal After Four or More Trimesters of Enrollment
    - If readmission is granted, the student will be required to follow a schedule developed by the Committee on Reinstatement. Specific requirements will be provided by the Committee regarding academic performance.
      - If successful, the student is allowed to progress.
      - If unsuccessful, the student is dismissed from the program. This sanction may be appealed to the Vice President of Academic Affairs.
    - If readmission is denied, the student is dismissed from the program. This sanction may be appealed to the Vice President of Academic Affairs.

*Master of Science Degree Programs*

As dictated by the rigors of an academically demanding graduate program, it is important that the matriculating student understand the high standard of academic performance expected by the University. In degree study pertaining to the care and welfare of injured and recovering clients or patients, the following represent less than satisfactory levels of academic performance.

1. If a student's trimester or cumulative GPA falls below 2.00, the student will be placed on Academic Probation for the next trimester of enrollment.
2. A student is subject to academic dismissal if he/she is on Academic Probation for two trimesters. Each student's situation will be reviewed individually by the Academic Standing Committee at midterm and after finals. The Committee can recommend tutoring, counseling, or dismissal.

3. If dismissed, the student may appeal the sanction if he/she believes there were mitigating circumstances. The appeal must be submitted in writing or electronically to the Committee on Reinstatement through the Registrar's Office. Documentation of mitigating circumstances should be included with the written appeal. Mitigating circumstances as defined by the US Department of Education (34CFR 668.34) include:
  - a. Serious illness or injury to a student that required extended recovery time for significant improvement.
  - b. Death or serious illness/injury of an immediate family member.
  - c. Significant trauma in the student's life that impaired his/her emotional and/or physical health.
  - d. Other documented circumstances showing extreme or unusual hardship.
4. In line with Logan policies, the Committee on Reinstatement has the right to approve or deny readmission and to establish individual directives, restrictions, and guidelines regarding student reenrollment status. The Committee, upon consultation with the Vice President of Academic Affairs, may use discretion for students with unique circumstances. The Vice President of Academic Affairs is the final arbiter for issues associated with the reinstatement process with the advice and consent of the President.

Students who are enrolled in both the DC and MS programs will have separate and distinct policies regarding satisfactory progress, financial aid eligibility, academic probation, and academic interruption and dismissal. Academic deficiencies experienced in one program may not necessarily impact progress in the other. It is important that students choosing concurrent enrollment be familiar with policies of both programs.

#### **Academic Advisor Program – All Students**

A select group of faculty members serve as Academic Advisors to the student body. Each student is assigned an advisor, and the name of the advisor is provided to the student during orientation. Prior to each term, students will prepare a schedule of classes in consultation with the academic advisor. The program is under the direction of the Office of the Vice President of Academic Affairs. A student may schedule an appointment with his/her advisor at any time; an advisor may also contact the student should the advisor believe that a meeting is needed. The advisors remain informed of their advisees' academic progress, and periodic meetings are encouraged between advisors and students in academic jeopardy.

In the event a student may be on probation, become less than full-time, or have to repeat a class, a special schedule will be required in order to complete the enrollment procedure. All special schedules must be prepared and signed by the faculty advisor. Although the advisor remains aware of the students' academic history, it is the ultimate responsibility of the student to be aware of academic failures and of the urgency to complete a schedule by the start of the new trimester. It is recommended that students in academic difficulty or on special schedules make an appointment to meet with their advisors prior to final exam week to discuss the scheduling of classes for the coming trimester.

The Academic Advisor Program is not designed to replace the counseling program which is available to all students through the Office of the Dean of Student Services.

#### **Withdrawal Procedures**

In order to withdraw from a course, a student must obtain a withdrawal request form from the Registrar's Office, fill it out completely, and return it to the Registrar's Office for processing. A student must not simply cease attending class. This will only ensure the recording of a failing grade.

The Vice President of Academic Affairs must approve a withdrawal request before it becomes official. The Dean of University Programs must also approve withdrawal requests from undergraduate and Masters level courses.

#### **Withdrawal from an ASP Course**

A student withdrawing from an ASP course prior to the end of the fourth week of the session will receive a grade of W. Withdrawal after the fourth week of the session and prior to the course final will result in an instructor-assigned grade of WP or WF, based on the student's academic status in the course at the time of withdrawal. The student must repeat the course if it is not an elective.

#### **Withdrawal from a BS or DC Course**

A student withdrawing from a BS or DC course prior to the end of the tenth week of the session will receive a grade of W. Withdrawal after the tenth week of the session and prior to the course final will result in an instructor-assigned grade of WP or WF, based on the student's academic status in the course at the time of withdrawal. The student must repeat the course if it is not an elective.

#### **Withdrawal from a MS Course**

A student withdrawing from a MS course prior to the end of the eighth week of the session will receive a grade of W. Withdrawal after the eighth week of the session will result in a grade of F. The student must repeat the course if it is not an elective.

#### **Withdrawal/Interruption Procedures from the College – All Students**

Withdrawal or Interruption from the College falls into the following categories:

1. Withdrawal/Interruption with the intent to return within six months. In this case the student indicates the date he/she intends to return. The student must be in good academic standing, and during the period of withdrawal is allowed to utilize the Learning Resource Center and Health Center. The student meets with his/her Academic Advisor up to four weeks prior to the date of return to establish a class schedule.
2. Withdrawal without the intent to return. This occurs when students leave Logan with no intention of returning or when students withdraw when they are not in good standing. If they decide to return at a later date, they must seek readmission through the Committee on Reinstatement. The Committee meets during the break between trimesters to consider these requests.
3. Administrative Withdrawal. Continued excessive absences from classes by a registered student without proper notification of the intent to withdraw from the College may subject the student to Administrative Withdrawal. Administrative Withdrawal is under the authority of the Vice President of Academic Affairs. Should the student seek to return to Logan, the student must meet with the Committee on Reinstatement for consideration. All policies relating to grades, refund of tuition, and readmission are applied in the case of Administrative Withdrawal and are consistent with standard college procedures. In all cases all students returning to Logan will start classes on the first day of the trimester.

The Withdrawal/Interruption Form is available in the Registrar's Office. Completion of this form officially notifies each department of the student's withdrawal, provides the Registrar's Office with a forwarding address, and indicates the official category of withdrawal with the intent to return or with no intention of returning. The student is responsible for becoming aware of procedures that may apply regarding his/her return to Logan, which are noted on the form.

#### **Involuntary Psychiatric Withdrawal-All Students**

The continued enrollment of a student at Logan is a privilege based not only on satisfactory academic progress and professional conduct, but also upon emotional health. A student who exhibits behavior suggesting inability to meet Logan's academic or conduct standards due to psychological/psychiatric symptoms may be referred

by the counseling staff to an independent psychiatrist/psychologist for evaluation. The Dean of Student Services will determine if withdrawal is in the best interest of the student and/or the institution based on this evaluation and consultation with administrators and counseling staff. Student refusal to submit to a diagnostic evaluation or to withdrawal when determined by the Dean to be appropriate will receive written notice of involuntary withdrawal from the Dean of Student Services. Withdrawal in such cases shall normally incur no academic penalty for the term in which the student is enrolled, and tuition refund, if any, shall be based on the schedule established for voluntary withdrawal. Application for readmission will require re-evaluation from a College-approved psychiatrist/psychologist indicating suitability to return to academic studies at Logan. Persons seeking readmission must apply through the Committee on Reinstatement and may choose to submit a written report from the psychiatrist or psychologist for the committee's consideration.

#### **Auditing a Course – All Students**

Auditing courses may be considered on an individual basis if the individual has met all program and course prerequisites. Permission must be granted by the office of the Vice President of Academic Affairs. The student may be assessed regular tuition costs.

#### **Attendance Policy**

1. Regularity and punctuality of class attendance is expected of all students and the record keeping is the responsibility of the instructor. More detailed information concerning attendance may become a part of the syllabus or covered the first day of class.
2. Various state agencies and accrediting bodies require Logan to maintain attendance records for all students.
3. Students who have completed all required registration activities are placed on the appropriate course roll sheets by the Registrar's Office, and instructors use these roll sheets to take class attendance. Each day that a student's name does not appear on a course roll sheet is counted as an absence against the allowable 15%.
4. Excessive absences, more than 15% of scheduled classes, constitute the basis for assigning the grade of Attendance Failure (AF) for a course. With proper documentation, a student may be excused from an absence for the following reasons:

- Military service
- Jury duty
- Licensure Examinations (examination dates only)

All other absences are assigned to the 15% maximum.

5. A student awarded a grade of AF for a course is not allowed in the class after that point and cannot take any additional course examination. If a student wishes to contest an AF grade, he/she should follow the procedure outlined in the Grading System-DC and BS Applicable section of the *Student Handbook*.
6. Missing an examination is a serious matter and must be corrected as soon as possible. It is the responsibility of the student to contact the instructor. There is a \$75.00 fee to take a makeup examination.

### National Board Application and Eligibility

The application process is completed in the Registrar's Office. One passport-style photograph is required, and may be taken in the Logan Media Center for a nominal fee. Please refer to the National Board of Chiropractic Examiners (NBCE) website at [www.nbce.org](http://www.nbce.org) for application, fees, and information regarding the National Board examinations.

The Office of the Registrar will require the following items to process an application:

1. Applications must be completed on the NBCB website, printed out, and brought to the Office of the Registrar. Hand written applications will not be accepted per National Board requirements.
2. One passport-style photograph attached to the application. The student's name must be printed on the back of the photograph.
3. Certified check or money order for total amount due payable to NBCE. No personal checks or credit/credit cards will be accepted.

The Office of the Registrar will notarize the application and provide the College Authorized Signature. The College will mail the application once completed. The latest date that an application may be postmarked in order to avoid a late fee will be posted in the Office of the Registrar. NOTE: It is a responsibility of the student to be aware of the application process and to complete the required paperwork in a timely manner.

Eligibility to take the National Boards is based on the following requirements.

- An applicant must be enrolled in a chiropractic college.
- No student on professional or academic probation (based on the cumulative GPA) will be approved to sit for the boards without written permission of the Vice President of Academic Affairs.

- Part I: (Given in March and September.) Applicants must have successfully completed all Basic Science coursework through Trimester 4 with a Basic Science GPA of 2.00 or higher; or for any student who is in Trimester 4 at the time of application, the student must have completed successfully all Basic Science coursework through Trimester 3; have a cumulative Basic Science GPA of 2.00 or higher at the end of Trimester 3; and must be enrolled in the remainder of the Trimester 4 Basic Science courses at time of application.

- Part II: (Given in March and September.) Applicants must have successfully completed all coursework through Trimester 7 with a cumulative GPA of 2.00 or higher; or for any student who is in Trimester 7 at the time application, the student must have completed successfully all coursework through Trimester 6; have a cumulative GPA of 2.00 or higher at the end of Trimester 6; and must be enrolled in the required Trimester 7 coursework at the time of application.

- Part III: (Given in March and September.) Applicants must have successfully completed all of Part I by the time of the application deadline date; must have a cumulative GPA of 2.00 or higher; and must be within nine months of graduation at the time of the Part III examination administration.

- Part IV: (Given in May and November.) Applicants must have successfully completed Part I at the time of application; must have a cumulative GPA of 2.0 or higher at the time of application; and must be within six months of graduation at the time of the Part IV examination administration.

- Physical Therapy: (Given in March and September.) Applicants must have successfully completed 120 hours of physical therapy or be currently enrolled in the Trimester 8 physical therapy course, and must have a cumulative GPA of 2.00 or higher at the time of application.

- Acupuncture: (Given in March and September.) Applicants must have successfully completed, prior to the application late cutoff date, 100 hours of instruction in acupuncture. The acupuncture instruction must be taken at and/or recognized by one of the CCE approved chiropractic colleges whose students are currently eligible to take the National Board examinations.

### Grade Changes

An instructor's final grade(s) may only be changed for the following reasons:

1. A mathematical error in calculation.
2. A transcription error in the grade book.
3. Make-up of an incomplete.

Grade changes may be made up until the end of fourteen calendar days from the start of the trimester immediately following the recording of the initial grade. In rare circumstances, exceptions may be granted by the Dean of University Programs (for University Program courses) or the Vice President of Academic Affairs (for all other programs).

The reason for a grade change must be noted on the grade change form and approved by the instructor, the Division Chair, and the Dean of University Programs/Vice President of Academic Affairs.

### Examinations

Each course is required to have a midterm and a final examination. Additional examinations are given at the discretion of course instructors and may include written, oral, and/or practical formats. Each student must take all of the required examinations in the courses in which he/she is enrolled.

Additional information regarding examinations may be found in the *Student Handbook*.

### Academic Advancement

The Basic Science Division provides the necessary foundation upon which to build the clinical training and professional skills required of a Doctor of Chiropractic. An in-depth program of study of the human organism at all levels of organization is provided.

The integrating role of the endocrine, nervous, muscular, and skeletal systems is emphasized with respect to health and disease, and on this knowledge the Clinical Science Division prepares the student to accept his or her role as a responsible diagnostician.

Development of differential diagnostic skills begins with physical examination procedures and recognition of clinical manifestations of common disease entities.

The student learns to correlate the information gained from the basic sciences and pre-clinical disciplines as expertise is gained in the utilization of investigative procedures in the diagnosis of human disease processes. The Chiropractic Science Division provides the student an immediate and continual exposure to the science of Chiropractic, its philosophy, principles, and practice; it includes the study of body mechanics, fundamental adjusting procedures, physical therapeutics, and case management.

Emphasis is placed on the development of competency in the professional application and synthesis of scientific aptitude, clinical competence, and ethical demeanor.

To enter Trimester 7 Student Health Center study (when intern delivery of patient care is initiated) interns are required to pass the Competency Board. Successful completion of all components of this examination will allow eligible students to progress into the Trimester 8 Outpatient Health Center study after satisfying all Student Health Center requirements. Interruption of 15 weeks or more in the sequence of the Trimester 7 through 10 Health Center courses will indicate a need for retesting. The student will be required to take and pass again designated portions of the Competency Board prior to reinstatement of privileges in the Health Centers.

The academic programs at Logan are continually upgraded by the action of the Academic Vice President and the Curriculum Committees. It is the result of a sincere effort on the part of the faculty and administration to provide a quality education.

The options available to students who have failed one or more courses or who have a GPA less than 2.00 are explained in detail under Policy on Academic Probation and Academic Deficiencies in the *Student Handbook*.

A student on academic or professional probation is not eligible to be a class or SDC officer, may not sit for National Boards or Competency Board examinations without permission of the Vice President of Academic Affairs, and may not be employed by Logan or go on college-sponsored travel.

During each trimester it is determined whether the student is maintaining a standard of academic and professional conduct acceptable for continued enrollment. The right to exclude students whose academic and/or professional conduct is inappropriate, undesirable, unprofessional, or detrimental to the educational program is a reserved right of the institution. The Administration reserves the right to dismiss any student at the request of the faculty, Professional Committee, Academic Standing Committee, Admissions Committee, the Committee on Reinstatement, or at its own discretion.

### Transcripts

Requests for transcripts should be directed to the Registrar's Office. Transcripts to accompany state board applications, or for the purpose of transferring credit to another school or college, will be issued upon written request to current students, to graduates, and to students who left with an honorable dismissal, and if all financial indebtedness to Logan has been discharged. A charge of \$5.00 is assessed for each transcript issued.

## Logan's Family Educational Rights and Privacy Act (FERPA) Policy

### Overview

The Family Educational Rights and Privacy Act of 1974 (FERPA), 20 U.S.C. §1232g, as amended, is a federal law giving certain rights to parents or students regarding education records at schools of every level receiving funding from the U.S. Department of Education. At the postsecondary school level, the rights afforded by FERPA belong, in general, to the student rather than the parent. The five rights, as summarized in the Department of Education regulations, 34 CFR §99.7, are as follows:

- The right to inspect and review the student's education records.
- The right to request the amendment of the student's education records that the student believes to be inaccurate, misleading, or otherwise in violation of the student's privacy rights.
- The right to consent to disclose personally identifiable information contained in the student's education records, except to the extent that FERPA and the regulations authorize disclosure without consent.
- The right to file with the U.S. Department of Education a complaint concerning alleged failures by the institution to comply with the requirements and regulations of FERPA.
- The right to obtain a copy of the institution's student record policy.

1. Right to Inspect and Review. Students may inspect and review their education records upon request to the appropriate record custodian. (See list of types, locations, and custodians of student records at the end of this policy.)

The regulations define "education records" as meaning, subject to the few exceptions, those records that are (1) directly related to a student, and (2) maintained by an educational institution or by a party acting for the institution.

A student should submit to the record custodian a written request, which identifies, as precisely as possible, the record or records he/she wishes to inspect. The office of the record custodian will make the needed arrangements for access as promptly as possible and notify the student of the time and place where the records may be inspected. Access must be

given within a reasonable time, but in no event more than 45 days from the receipt of the request. When a record contains information about more than one student, the student may inspect and review only that part of the record that relates to him/her.

Logan reserves the right to refuse to permit a student to inspect the following records:

- a. Financial records of the student's parents.
- b. Confidential letters and statements of recommendation for which the student has waived his/her right of inspection and review.
- c. Records connected with an application to attend Logan if the application was denied.
- d. Those records that are excluded from the FERPA definition of education records.

Logan reserves the right to deny copies of transcripts or copies of records (but not access to the records) in any of the following situations:

- a. the student has an unpaid financial obligation to Logan, or
- b. the student has failed to comply with disciplinary sanctions.

2. Right to Seek Amendment. If a student believes the education record(s) relating to the student contain information that is inaccurate, misleading, or in violation of the student's privacy rights, he/she may ask Logan to amend the record. The procedures for amendment of records are the following:

- a. The student should submit to the office of the record custodian a written request for amendment of the record, identifying the part of the record requested to be changed and specifying why it is inaccurate, misleading, or in violation of his/her privacy rights.
- b. Logan will decide whether to amend the record as requested within a reasonable time after receiving the request.
- c. If Logan decides not to amend the record as requested, it shall inform the student in writing of its decision and of his/her right to a hearing.
- d. If the student requests a hearing, Logan shall hold the hearing within a reasonable time after receiving the request. Logan shall give the student reasonable advance notice of the date, time, and place. The hearing may be conducted by an

individual without a direct interest in the outcome, including a Logan official. At the hearing, Logan shall give the student a full and fair opportunity to present evidence relevant to the issues.

- e. Logan shall make its decision in writing within a reasonable period of time after the hearing. The decision will be based solely on the evidence presented at the hearing and will include a summary of the evidence and the reasons for the decision.
  - f. If, as a result of the hearing, Logan decides that the information is inaccurate, misleading, or otherwise in violation of the privacy rights of the student, it will amend the record accordingly and inform the student of the amendment in writing.
  - g. If, as a result of the hearing, Logan decides that the information is not inaccurate, is misleading, or is otherwise in violation of the privacy rights of the student, it will inform the student of the right to place a statement in the record commenting on the contested information and stating why he/she disagrees with Logan's decision.
  - h. If a statement by the student is placed in the record, Logan shall maintain the statement with the contested part of the record for as long as the record is maintained, and disclose the statement whenever it discloses the portion of the record to which the statement relates.
3. Right to Consent to Disclosure. Logan will not disclose personally identifiable information from a student's educational record without the prior written consent of the student, except:
- a. to comply with a federal grand jury subpoena or any subpoena issued for a law enforcement purpose, in which case the court or other issuing agency orders, for good cause shown, that the existence or contents of the subpoena or any information furnished in response to the subpoena not be disclosed;
  - b. to parents or legal guardians of students under 21 regarding a disciplinary violation involving a Logan rule or policy governing the use or possession of alcohol or a controlled substance; and
  - c. to school officials within Logan who Logan has determined to have a legitimate educational interest in the records.

The definition of a school official includes, but is not necessarily limited to:

- a person employed by Logan in an administrative, supervisory, academic, research, or support staff position;
- a person employed by or under contract to Logan to perform a special task, such as an attorney or auditor;
- a person serving on the Board of Trustees; and
- a student serving on an official committee, such as a disciplinary committee, or assisting another school official in performing his/her task.

A school official, in most cases, will have a legitimate educational interest if the official is carrying out the duties or responsibilities of his/her position. A school official has a "legitimate educational interest" if the official is:

- performing a task that is specified in his/her position description or by a contractual agreement;
- performing a task related to a student's education;
- performing a task related to the discipline of a student; or
- providing a service or benefit relating to the student or student's family, such as health care, counseling, maintenance of the safety and security of the campus or students, job placement, or financial aid.

Without prior consent by the student, FERPA authorizes releases of personal information to third parties as follows:

- a. to certain officials of the U.S. Department of Education, the Comptroller General, and state and local educational authorities in connection with the audit or evaluation of certain state or federally supported education programs.
- b. in connection with a student's request for or receipt of financial aid as necessary to determine the eligibility, amount, or conditions of the financial aid, or to enforce the terms and conditions of the aid.

- c. institutions from which the student has received or applied to for financial aid.
- d. as required by state law.
- e. to organizations conducting certain studies for or on behalf of Logan.
- f. to accrediting organizations to carry out their functions.
- g. to parents of an eligible student who claim the student as a dependent for income tax purposes.
- h. to comply with a judicial order or a lawfully issued subpoena.
- i. the results of any disciplinary proceeding conducted by Logan against an alleged perpetrator of a crime of violence to the alleged victim of that crime.
- j. at a time of emergency defined in terms of the following considerations:
  - the seriousness of the threat to health or safety;
  - the need for access to the record in meeting the emergency;
  - whether the person requesting the records is in a position to deal with the emergency; or
  - the extent to which time is of the essence in dealing with the emergency.

In these instances, a record of access will be kept by Logan that indicates (a) the name and signature of person who requested or examined the file; (b) the purpose for which the file was accessed; (c) the date on which access to record occurred; and (d) clear notice that the information must not be released by a third party without the consent of the student. Logan will keep notification of releases made to third parties in the student's record.

Directory Information is information that Logan may disclose but is not required to be disclosed without prior consent by the student.

Logan designates the following as Directory Information:

name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities

and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received (including Dean's list), and the most recent previous educational agency or institution attended by the student.

In accordance with the requirements of FERPA, Logan annually will give public notice to students in the *Student Handbook, Catalog*, and website of the types of personally identifiable information that Logan has designated as directory information. Furthermore, Logan will give the student the opportunity to refuse to let Logan designate any or all types of information about him or her as directory information. Copies of forms to request non-disclosure of directory information are available in the Registrar's Office.

**Record of Requests for Disclosure.** Subject to certain expectations set forth in FERPA regulations, the record custodians within Logan will maintain a record of all requests for and/or disclosure of information from a student's educational records. The record will indicate the name of the party making the request, any additional party to whom it may be redisclosed, and the legitimate interest

the party had in requesting or obtaining the information. The record may be reviewed by the student.

4. **Right to File a Complaint.** Students have a right to file a complaint with the U.S. Department of Education if they believe that Logan has failed to comply with the requirements of FERPA. The complaint should be in writing and contain specific allegations of fact giving reasonable cause to believe that a violation of FERPA has occurred. The complaint should be sent to:

Family Policy Compliance Office  
U.S. Department of Education  
Washington, D.C. 20202-4605

## 5. Types, Location, and Custodians of Student Records

All students have records in one or more of the following offices, maintained by the custodian listed.

Type	Location	Custodian
Admission Records	Admissions Office	VP of Enrollment
Advising Records	Advisor's Office	Academic Advisor
Counseling Records	Counselor's Office	Counselor
Credential Files	Registrar's Office	Registrar
Academic Records	Registrar's Office	Registrar
Disability Records	Student Services	Dean of Student Services
Disciplinary Records	Student Services	Dean of Student Services
Accounting Records	Business Office	Chief Financial Officer
Financial Aid Records	Financial Aid Office	Financial Aid Director
Supplemental Seminar & Training Certification	Postgraduate Office	VP of Chiropractic Affairs





# 5 FINANCIAL POLICIES AND COSTS

## Financial Policy

All charges, including tuition and special fees, are subject to change without prior notice and due and payable in advance in U.S. dollars in accordance with the payment schedule presented in this *Catalog*. Delayed payment is subject to a service charge.

## Tuition and Fees

Logan reserves the right to alter the following schedule of charges without notice.

### Undergraduate Coursework (Including Accelerated Science Coursework)

Application Fee (non-refundable).....	\$50.00
Tuition Deposit (non-refundable, applied to tuition).....	\$50.00
Tuition per credit hour .....	\$150.00
Grade Change (applies to "I" or when final exam or other work is made up) .....	\$25.00
Examination Retake Fee .....	\$75.00

Transcripts.....	\$5.00
I.D. Replacement .....	\$15.00
Parking Fee (each trimester) .....	\$10.00
Activity Fee (each trimester) .....	\$40.00
Technology Fee (each trimester).....	\$80.00
Late Registration Fee .....	\$25.00
Late Payment Fee.....	\$100.00
Graduation Fee.....	\$50.00
Matriculation Fee (only for Logan DC graduates) - applies to BS Degree candidate (non-refundable) ..	\$300.00

### Doctor of Chiropractic Degree Program

Application Fee for DC Degree (non-refundable) payable with application .....	\$50.00
Transfer Application Fee (non-refundable).....	\$50.00
Tuition Deposit (non-refundable, applied to tuition).....	\$300.00
Trimester Flat Rate Tuition (16-35 cr hrs)* .....	\$8,357.00
Overload/Underload (per cr hrs).....	\$522.00
Examination Fee for Advance Standing Credit ...	\$100.00
Proficiency Estimation Fee .....	\$100.00
Activity Fee (each trimester) .....	\$40.00
Technology Fee (each trimester).....	\$80.00
Late Registration Fee .....	\$25.00
Late Payment Fee.....	\$100.00
Grade Change (applies to "I" or when a final exam or other work is made up) .....	\$25.00
Examination Retake Fee .....	\$75.00
Transcripts.....	\$5.00
I.D. Replacement .....	\$15.00
Parking Fee (each trimester) .....	\$10.00
Graduation Fee (paid \$25.00 each trimester).....	\$250.00
Clinic Entrance Fee (5th & 8th Trimesters).....	\$85.00
Business Capstone Services Fee (\$75.00 in Tri 9 and \$75.00 in Tri 10).....	\$150.00
Transfer fee from BS Program, after First Trimester, to DC Program.....	\$1,000.00

\*Students enrolled in 10 consecutive trimesters would average \$285 per credit hour at the current flat-rate tuition.

### Master of Science Programs

Tuition Deposit (non-refundable, applied to tuition).....	\$300.00
Application Fee (non-refundable).....	\$50.00
Tuition per credit hour .....	\$415.00
Parking Fee (each trimester) .....	\$10.00
Activity Fee (each trimester) .....	\$40.00
Technology Fee (each trimester).....	\$80.00
Comprehensive Examination Fee (per administration) .....	\$100.00
Examination Retake Fee .....	\$75.00
Examination Fee for Advance Standing Credit ...	\$100.00

Proficiency Examination Fee .....	\$100.00
Graduation Fee.....	\$50.00

### Late Fees

1. A \$25.00 late registration fee will be assessed on students who do not return their registration form by the designated due date. Exceptions to this may be made by the Office of the Vice President of Academic Affairs.
2. A \$100.00 late tuition payment fee will be assessed on students who pass an established deadline without paying tuition and do not have a loan in process. This fee may also be assessed when the student has utilized all of the loans available and still has an unpaid balance.

### Health Center Fee

The Health Center fee covers incidental expenses incurred by students during the six trimesters of Health Center internships. The fee covers such items as professional cards, malpractice insurance, Health Center manual, ID badges, etc. The fee is paid twice: once at the beginning of Trimester 5 and again at the beginning of Trimester 8.

### Business Capstone Service Fees

Each student enrolled in the Business Management Capstone courses is charged a fee that covers Fast Trac course materials and a lifetime access to the resources of the Small Business Development Center (SBDC). The courses and materials are presented in conjunction with the St. Louis chapter of the SBDC. The total fee is \$150.00 is paid in two installments - \$75.00 in Trimester 9 and \$75.00 in Trimester 10.

### Academic Load and Tuition Calculation

Students seeking Financial Aid are advised to contact the Financial Aid Office to determine eligibility.

In the BS degree programs a full-time student is defined as a registered student who is enrolled in 12 or more credit hours, and a part-time student is defined as a registered student who is enrolled in less than 12 credit hours. Cost of tuition is charged per credit hour enrolled. Please see the preceding Tuition and Fee schedule for appropriate costs.

In the DC degree program a full-time student is defined as a registered student who is enrolled in 20 or more credit hours in Trimesters 1-9, or 16 or more credit hours in Trimester 10. A part-time student is defined as a registered student who is enrolled in less than 20 credit hours in Trimesters 1-9, or less than 16 credit hours in Trimester 10.

In the DC degree program, students are charged a flat tuition rate if enrolled in 16-35 credit hours in a trimester. Students taking fewer than 16 credit hours are charged the per credit hour charge for the number of credit hours enrolled, and students enrolled in excess of 35 credit hours are charged the per credit hour tuition for all hours over 35. Please see the preceding Tuition and Fee schedule for appropriate costs.

In the Masters degree programs a full-time student is defined as a registered student who is enrolled in nine or more credit hours, and a part-time student is defined as a registered student who is enrolled in less than nine credit hours. Cost of tuition is charged per credit hour enrolled. Please see the preceding Tuition and Fee schedule for appropriate costs.

## Registration Process

### Undergraduate (Accelerated Science and Bachelor of Science)

For new students, a tuition deposit of \$50 and an appointment with an academic advisor for course registration is required one week prior to the first day of class. Early registration and advising is recommended up to one month prior to the beginning of the trimester upon admission by contacting an advisor. Students returning to Logan who were not registered the prior trimester must register one week prior to the first day of class.

Students continuing in the ASP or BS programs will be notified one month prior to the end of the session trimester to contact their academic Advisor. The purpose of this requirement is to ensure that students will obtain academic counseling and will schedule their classes for the following trimester. Upon completion of the schedule, the student will proceed to the Registrar's Office with the completed registration fee.

Failure of the student to meet all obligations to Logan within designated time limits may result in revocation of registration, removal from class, or disenrollment from Logan. All late registrants will be assessed a \$25.00 late registration fee.

1. Students with validated loans in process are expected to pay their accounts in full upon receipt of their final loan. If financial aid is insufficient to cover tuition and fees, the difference must be paid prior to attending classes and to maintain enrollment. Loans must be scheduled to arrive during the trimester to be considered "in process" for that trimester.

2. A student's name cannot be added to any class roster until registration is complete and tuition arrangements for the upcoming trimester are completed. Each day will be counted as an absence against the maximum 15% if a student's name does not appear on the class roll.
3. A student may not be allowed to register when academic, professional, and/or financial files are not acceptable to the Administration. All loans should be processed as early as possible. No student may register after the end of the add/drop period. Students may not attend classes for which they are not properly registered.
4. It is the student's responsibility to furnish Logan a current address and phone number, and to report immediately any changes to the Registrar's Office. Committee decisions often necessitate that students appear at committee hearings. If the University cannot contact a student by mail or phone, the student has no recourse but to accept the decision of the committee.

#### **Doctor of Chiropractic Degree Program**

For new students, a tuition deposit of \$300 and an appointment with an academic advisor for course registration is required one week prior to the first day of class. Early registration and advising is recommended up to one month prior to the beginning of the trimester upon admission by contacting an advisor. Students returning to Logan who were not registered the prior trimester must register one week prior to the first day of class. Former Accelerated Science and Bachelor of Science degree program students beginning the Doctor of Chiropractic degree program are not required to pay a tuition deposit for the Doctor of Chiropractic degree program.

For continuing students, registration for the next term occurs each trimester following midterm examinations. The Registrar's Office sends an email to all students informing them that the Registration Form Acceptance is available through their Self Serve account. Students will have information from the Bursar's Office and the Financial Aid Office that they must read, indicate that they have read this information, and accept this registration form. This process is a commitment on the part of the student to be an enrolled student for the coming trimester and to meet all financial obligations in a manner consistent with University policies.

A preregistered student is subject to all Logan policies including academic, administrative, and those of professional conduct. Students receiving financial aid are expected to complete all paperwork and documentation in a timely manner so that sufficient funds are available to cover educational and living expenses by the start of the next trimester.

Students who may not be following a regular full-time schedule are considered to be on a mixed schedule and must meet with their academic advisors to prepare their schedules for the coming trimester. Students on a mixed schedule must also complete the Registration Form Acceptance noted above. A student on a mixed schedule must have a prepared schedule from his/her advisor and complete the Registration Form Acceptance through Self Serve in order to be considered as registered. The student is encouraged to meet with his/her academic advisor at least two weeks before the end of the trimester to prepare a schedule and to complete the Self Serve procedure. Once the schedule has been prepared, the student is expected to promptly deliver the schedule to the Office of the Registrar and to select a seat number in the classrooms in which he/she will be taking classes. A copy needs to be taken to financial aid to have funds released.

Those students not on a mixed schedule do not have to meet with their academic advisors and will automatically be enrolled in the next trimester's courses by the Registrar's Office. At the end of the trimester, any pre-registered student who has a course failure must meet with his/her advisor to either prepare a schedule or revise the previously prepared schedule.

Registration is not finalized until all required paperwork has been submitted to the Registrar's Office, proof of the Self-Serve Registration Form Acceptance requirement has been completed, and all financial obligations have been met either by payment in full or evidence of approval of sufficient financial aid to cover educational costs. Financial aid funds will not be released until the registration process, including an approved class schedule, is complete. A student who has an Incomplete grade outstanding is not considered registered for the upcoming term. Therefore, financial aid funds will not be released until the Incomplete grade is resolved and an academic schedule prepared.

Failure of the student to meet all obligations to Logan in the designated time limits may result in revocation of registration, removal from class, or disenrollment from Logan. All late registrants will be assessed a \$25.00 late registration fee.

1. Students with validated loans in process are expected to pay their accounts in full upon receipt of their final loans. If financial aid is insufficient to cover tuition and fees, the difference must be paid to be admitted to classes and to maintain enrollment. Loans must be scheduled to arrive during the trimester to be considered "in process" for that trimester.

2. Students participating in a preceptorship program must be registered for trimester ten and must complete a preceptorship checkout with the Registrar's Office before leaving for a preceptorship. This checkout does not replace the senior checkout that occurs two days before graduation.
3. A student's name cannot be added to any class roster until registration is complete and tuition arrangements for the upcoming trimester are completed. Each day will be counted as an absence against the maximum 15% if a student's name does not appear on the class roll.
4. A student may not be allowed to register when academic, professional, and/or financial files are not acceptable to the Administration. All loans should be processed as early as possible. No student may register after the end of the add/drop period. Students may not attend classes for which they are not properly registered.
5. It is the student's responsibility to furnish Logan a current address and phone number, and to report immediately any changes to the Registrar's Office. Committee decisions often necessitate that students appear at committee hearings. If the College cannot contact a student by mail or phone, then the student will have no recourse but to accept the decision of the committee.

#### **Master of Science Degree Programs**

For new students, a tuition deposit of \$300 and an appointment with an academic advisor for course registration is required one week prior to the first day of class. Early registration and advising is recommended up to one month prior to the beginning of the trimester upon admission by contacting an advisor. Students returning to Logan who were not registered the prior trimester must register one week prior to the first day of class. Doctor of Chiropractic degree program students beginning a Master of Science degree program are not required to pay a tuition deposit for the Master of Science degree program.

For continuing students, registration for the next term occurs each trimester following midterm examinations. The Registrar's Office sends an email to all students informing them when registration is open. Students are instructed to see their academic advisor to prepare schedules and sign the registration form. This process is a commitment on the part of the student to be an enrolled student for the coming trimester and to meet all financial obligations in a manner consistent with Logan policies.

A pre-registered student is subject to all Logan policies including academic, administrative, and those defining professional conduct. Students receiving financial aid are expected to complete all paperwork and documentation in a timely manner so that sufficient funds are available to cover educational and living expenses by the start of the next trimester.

Registration is not finalized until all required paperwork has been submitted to the Registrar's Office and all financial obligations have been met either by payment in full or evidence of approval of sufficient financial aid to cover educational costs. Financial aid funds will not be released until the registration process, including an approved class schedule, is complete. A student who has an Incomplete grade outstanding is not considered registered for the upcoming term. Therefore, financial aid funds will not be released until the Incomplete grade is resolved and an academic schedule prepared.

Failure of the student to meet all obligations to Logan within designated time limits may result in revocation of registration, removal from class, or disenrollment from Logan. All late registrants will be assessed a \$25.00 late registration fee.

1. Students with validated loans in process are expected to pay their accounts in full upon receipt of their final loans. If financial aid is insufficient to cover tuition and fees, the difference must be paid to be admitted to classes and to maintain enrollment. Loans must be scheduled to arrive during the trimester to be considered "in process" for that trimester.
2. A student's name cannot be added to any class roster until registration is complete and tuition arrangements for the upcoming trimester are completed. Each day will be counted as an absence against the maximum 15% if a student's name does not appear on the class roll.
3. A student may not be allowed to register when academic, professional, and/or financial files are not acceptable to the Administration. All loans should be processed as early as possible. No student may register after the second week of the trimester. Students may not attend classes for which they are not properly registered.
4. It is the student's responsibility to furnish Logan a current address and phone number, and to report immediately any changes to the Registrar. Committee decisions often necessitate that students appear at committee hearings. If the University cannot contact a student by mail or phone, the student will have no recourse but to accept the decision of the committee.

## Payment of Tuition and Fees:

### All Students

Trimester tuition and fees are due in advance of the beginning of the trimester. A student's name will not be added to class rolls unless registration is valid. Enrollment is validated when all tuition and fees have been paid and no outstanding indebtedness to Logan exists. Students are not admitted to classes without a validated registration, an approved schedule, and evidence of an approved loan in process or payment in full.

The privileges of attending Logan are available to currently enrolled students who have met all the above guidelines.

### Policy on Tuition Increase

The Board of Trustees and Logan Administration reserve the right to make changes in policy, admission requirements, and tuition and fees without notice or liability.

### Financial Responsibility

All indebtedness to Logan must be cleared promptly. Student account balances that are past due result in encumbrances to future registration, issuance of transcripts, and conferral of degrees. No refund or reduction is allowed for absences.

### Service Charge

There will be a charge of \$10.00 for any check submitted to Logan that is not honored by a bank. In such cases, all subsequent payments to Logan must be in the form of a certified check or money order. In addition, the student will be required to pay the \$100.00 late payment fee.

### Special Courses

Special course tuition and fees are not refundable.

### Incomplete Grades

An Incomplete is given when the student has failed to complete a part of the required coursework as described in the syllabus. Incompletes are given at the discretion of the faculty member. Any Incomplete must be rectified within the first two weeks (fourteen calendar days) from the start of the following trimester in which the Incomplete grade is received. If the Incomplete is not satisfied by that point, it will automatically be converted to a grade of F and the student is required to repeat the course the next trimester. In rare circumstances exceptions may be made through the

Office of the Vice President of Academic Affairs. Students receiving a grade of Incomplete will still be considered as enrolled at Logan during the time period in which the Incomplete is rectified. Students will be charged tuition according to the tuition policies of the program for any Incompletes that are allowed to be carried past the date established by the program to resolve an Incomplete.

### Refunds: All Students

For students that are withdrawing from Logan, a program, or as a result of a dismissal, tuition paid in advance is refunded in accordance with the Federal pro rata schedule. Up through the 60% point in each enrollment period, the pro rata schedule is used to determine tuition refunds. The pro rata schedule is the percentage of the period of enrollment completed.

Total calendar days completed  
in the enrollment period  
----- = % completed or earned  
Total calendar days  
(in the enrollment period)  
100 - % earned = % unearned

The resulting amount will be returned to the federal aid programs in the following order:

- Unsubsidized Stafford
- Subsidized Stafford
- PLUS
- Perkins
- Pell Grant
- SEOG Grant

After the 60% point in the enrollment period, 100% has been earned and there is no refund of federal aid.

When a leave of absence is granted for a limited time during one of the regular sessions, refunds are not permitted.

If a student is suspended or dismissed from Logan for academic deficiencies, pre-paid tuition for the following trimester will be refunded less a \$20.00 service fee.

A student dismissed or suspended from Logan for unprofessional behavior will be administratively withdrawn and subject to the Federal withdrawal calculation for return of funds.

A refund of the unused portion of tuition and fees will be made to veterans as required by the Veteran's Administration.

### Refund – Reduction in Course Load

BS/ASP - If a student reduces his/her course load the reduction represents a change in enrollment status, not a withdrawal. Reductions in course load during the first week of the trimester/session will receive a 100% refund of the tuition based on the credits dropped. After the first week no refund will be given. Sixteen-week undergraduate courses have a two week refund period.

DC - If a student reduces his/her course load the reduction represents a change in enrollment status, not a withdrawal. Reductions in course load that reduce credits to 15 or less during the first two weeks of the trimester will receive a 100% refund of the tuition based on the credits dropped below the 16 credit minimum for flat rate tuition. After the first two weeks no refund will be given.

MS - If a student reduces his/her course load the reduction represents a change in enrollment status, not a withdrawal. Reductions in course load during the first two weeks of the trimester will receive a 100% refund of the tuition based on the credits dropped. After the first two weeks no refund will be given.

### Financial Aid

#### General Statement

Financial aid is available in the form of scholarships, grants, loans, and employment. Logan participates in the Federal Pell Grant, Supplemental Educational Opportunity Grant, Federal Work-Study, Perkins Loan, Stafford Student Loan, GI Yellow Ribbon Program, and various state grant programs, including the Missouri Grant Program.

All financial aid programs require students to be in good academic standing and making satisfactory progress toward the completion of their degree. Additionally, all aid programs require recipients to be U.S. citizens or eligible non-citizens.

Students are encouraged to limit borrowing as much as possible. Consequently, all applicants are expected to contribute toward their cost of education through self-help measures (i.e., student or parent savings and/or financial resources or part-time employment). Each applicant is required to complete the Free Application for Federal Student Aid (FAFSA) and other documents as outlined in the Financial Aid Application Packet.

Specific eligibility for particular aid programs is determined in accordance with federal regulations. Financial aid regulations and corresponding information are subject to change at any time.

### Accelerated Science and Bachelor of Science Degree Programs

Financial aid is available in the form of grants and loans (to those who qualify) for students enrolled in the Accelerated Science Program within the Bachelor of Science degree program. Eligibility is based not only upon financial need, but also enrollment status. Students with a Bachelor's degree will qualify for loans only for a maximum of three trimesters.

Specific eligibility for particular aid programs is determined in accordance with federal regulations on an individual basis. Please see the Financial Aid Office to discuss your needs.

#### Bachelor of Science Estimated Cost of Attendance

Cost of attendance is a combined cost of direct expenses (tuition and fees) and indirect expenses (allowances for housing, books, transportation, and personal expenses). Cost of attendance for one trimester (approximately four months) is as follows based upon 12 credit hours per trimester. Cost also may depend on student living arrangements:

	Off Campus	With Parent
Tuition.....	\$1,800.00.....	\$1,800.00
Fees.....	\$130.00.....	\$130.00
Books & Supplies.....	\$425.00.....	\$425.00
Room & Board.....	\$4,080.00.....	\$2,040.00
Transportation.....	\$1,053.00.....	\$1,053.00
Personal/Other.....	\$2,223.00.....	\$2,233.00
Total.....	\$9,711.00.....	\$7,671.00

Adjustments can be made for dependent care for children and for disabled students. A maximum of \$1500.00 per loan period (trimester) per family is allowed.

#### Doctor of Chiropractic Estimated Cost of Attendance

Cost of attendance is a combined cost of direct expenses (tuition and fees) and indirect expenses (allowances for housing, books, transportation, and personal expenses). Cost of attendance for one trimester (approximately four months) depends on living arrangements:

	Off Campus	With Parent
Tuition.....	\$8,357.00.....	\$8,357.00
Fees.....	\$155.00.....	\$155.00
Books/Clinic Fees.....	\$732.00.....	\$732.00
Room & Board.....	\$4,080.00.....	\$2,040.00
Transportation.....	\$1,053.00.....	\$1,053.00
Personal/Other.....	\$2,233.00.....	\$2,233.00
Total.....	\$16,600.00.....	\$14,560.00

Adjustments can be made for dependent care for children and for disabled students. A maximum of \$3000.00 per loan period per family is allowed.

### Master of Science Estimated Cost of Attendance

Cost of attendance is a combined cost of direct expenses (tuition and fees) and indirect expenses (allowances for books, housing, transportation and personal expenses). Cost of attendance for one trimester (approximately four months) is as follows, based upon nine credit hours per trimester. Cost also may depend on student living arrangements:

	<u>Off Campus</u>	<u>With Parent</u>
Tuition.....	\$3,735.00	\$3,735.00
Fees.....	\$130.00	\$130.00
Books & Supplies .....	\$425.00	\$425.00
Room & Board.....	\$4,080.00	\$2,040.00
Transportation.....	\$1,053.00	\$1,053.00
Personal/Other .....	\$2,233.00	\$2,233.00
Total .....	\$11,646.00	\$9,606.00

Students enrolled in both the DC Program and MS Programs may be eligible to borrow for direct costs and books.

### Grants

**Federal Pell Grant Program.** This program provides grants to eligible undergraduate students. To apply for a Federal Pell Grant, a student must complete the FAFSA online. Four to six weeks after the FAFSA is filed the student and school will receive notification of eligibility. At that point, the Pell Grant award will be determined according to federal regulations.

**Federal Supplemental Education Opportunity Grant (SEOG).** This program provides grants to eligible undergraduate students that show exceptional need. Availability of SEOG funds is extremely limited. Completion of the FAFSA is required for this program.

**Missouri Grant Program.** This program provides grants to undergraduate students that are also Missouri residents. To be considered a Missouri resident the student must have lived in Missouri at least one year prior to attending a Missouri educational institution. A complete FAFSA must be filed before April 1 to be considered for this program.

### Loans

Educational student loans available through federal sources include the Federal Direct Loan Program, the Perkins loan program, and the PLUS loan program.

Alternative loans (credit based) may be available through various lenders and require the borrower to meet certain credit criteria.

**Federal Subsidized Direct Loan Program.** This program is a need-based loan with a fixed interest rate of 6.8%. Students with loans disbursed on or before June 30, 1998, may be restricted to the specific terms of those loans. All Stafford loans certified on or after July 1, 2006, will accrue interest at a fixed rate of 6.8%. The interest accrued while the student is in school, in deferment, or in their grace period, is subsidized by the federal government. Undergraduate students may qualify for up to \$5,500.00 per award year (\$31,000.00 cumulative), and graduate students may qualify for up to \$8,500.00 (\$65,500.00). Applications should be completed online at [www.studentloans.gov](http://www.studentloans.gov).

**Federal Unsubsidized Direct Loan Program.** This program is a non-need-based loan with the same interest rates as the Subsidized Direct Loan. However, the in-school interest is not subsidized and the student is responsible for this payment. Students have the option of making the interest payments while in school or allowing their lender to capitalize these payments into their principal. The maximum amount undergraduates may qualify for through a combination of Subsidized and Unsubsidized Direct loan per academic year is \$12,500.00, while graduate students may qualify for \$20,500.00. Applications should be completed online at [www.studentloans.gov](http://www.studentloans.gov).

**Federal Perkins Loan.** This program is another federal, need-based loan program with a 5% interest rate. This loan is available to undergraduate and graduate students that show exceptional need. As funding for this program is limited, students are encouraged to apply early. Applications can be obtained from the Financial Aid Office.

**Federal Grad PLUS Loans for Graduate Students.** This is an unsubsidized, non-need-based loan available to graduate students. The interest rate is fixed at 7.9%. Applications should be completed online at [www.studentloans.gov](http://www.studentloans.gov).

**Federal Parent Loans for Undergraduate Students (PLUS).** This is an unsubsidized, non-need based loan available to parents of undergraduate students. Interest rates are fixed at 7.9%. Applications should be completed online at [www.studentloans.gov](http://www.studentloans.gov).

### Student Employment

**Federal Work-Study Program.** This program is available to undergraduate and graduate students who show financial need and are available to work as student employees. Pay ranges from minimum wage to \$10.00 per hour, up to 20 hours per week. Students are paid on a biweekly basis. Work-study information packets may be obtained in the Financial Aid Office.

### Scholarships

Logan offers scholarships each trimester. Additionally, many states offer scholarships for students from their state. Local, civic, fraternal, and other organizations in your hometown are additional sources for scholarship information. A complete listing of the scholarships currently available is posted on the Financial Aid section of the Logan website.

### Satisfactory Academic Progress Policy

Federal regulations require Logan to establish and apply reasonable standards and policies for Satisfactory Academic Progress (SAP) for the purpose of the receipt of financial assistance under the programs authorized by the Title IV of the Higher Education Act. The criteria must outline the definition of student progress towards a degree and the consequences to the student if progress is not achieved. Logan students who wish to be considered for financial aid must maintain SAP as set forth in this policy. SAP is measured for progress in two ways, qualitative and quantitative (PACE).

#### Grade Point Average (GPA) (qualitative)

A minimum cumulative GPA of 2.00 must be maintained in order to meet satisfactory academic requirements.

A student in the DC or MS degree program will receive a financial aid warning letter if his/her trimester or cumulative GPA falls below 2.00.

A student in the DC or MS degree program will receive a financial aid termination letter if his/her trimester or cumulative GPA falls below 2.00 for (a) two consecutive trimesters, or (b) any three of the first five trimesters.

#### Maximum Time Frame/Academic Standing (quantitative) or PACE

A student is allowed financial aid for 150% of the published length of the educational program. Grades of D, F, AF, W, WP, WF, and I do not constitute satisfactorily

completed course work. Financial aid for less than full-time enrollment will be adjusted accordingly. Failure to meet the minimum credit hour requirements for each program will result in the restriction or loss of financial aid eligibility until academic standing consistent with the maximum time frame is regained. A student must complete (receive a passing grade) for a minimum of 67% of attempted credits to maintain PACE.

In the BS degree and Accelerate Science programs, grades of D, F, AF, W, WP, WF, and I do not constitute satisfactorily completed coursework, and the corresponding credit hours will be included in the evaluation of a student's standing as it relates to academic progress. Courses being repeated to improve a prior passing grade or noncredit remedial courses will not be included in the determination of a student's standing.

The Doctor of Chiropractic curriculum is a 10-trimester program. The maximum number of trimesters for which a Logan doctoral student may receive financial aid while completing the degree is 15. The Master of Science curriculum is a five-trimester program. The maximum number of trimester for which a student may receive financial aid while completing the degree is eight.

A student in either the DC or MS degree program who elects to withdraw from a course will have the course credits included in the attempted total hours, which will be used in the quantitative calculation of SAP. Periods of enrollment for which the student does not receive financial aid are counted towards the maximum completion time. Students not passing 67% of their attempted credits will be placed on Financial Aid probation.

#### Transfer Students

A student transferring into Logan must provide the Registrar's Office with academic transcripts from the previous institutions for evaluation. After that evaluation, the Registrar's Office will determine at what grade level the student will be placed. From that point forward the GPA and credit hour requirements of the satisfactory academic progress policy will be applied as usual.

#### Probation/Termination

In the event that a student does not satisfy the GPA and credit hour requirements consistent with SAP, the student will be placed on Financial Aid probation, which allows the student to receive aid for one more trimester. SAP will be evaluated again at the end of this probationary trimester. If at that time the GPA and credit hour requirements are still not satisfied, eligibility for financial aid may be terminated. A student will receive a letter from the Director of Financial Aid notifying him/her of probationary or termination status.

## Evaluation

SAP will be evaluated at the conclusion of each trimester.

## Reinstatement

A student whose financial aid eligibility has been terminated due to a lack of satisfactory progress will be considered for reinstatement after the GPA and credit hour requirements have been satisfied. A student may also seek financial aid reinstatement by demonstrating SAP at another institution. To do this, the student must first secure approval from the Vice President of Academic Affairs and the Director of Financial Aid at Logan for the courses taken at another institution. The student will be required to provide documentation that all course work at another institution was completed with a cumulative GPA of 2.00 or higher on a 4.00 scale.

## Appeal

If a student believes there were mitigating circumstances beyond his/her control that resulted in failure to meet SAP standards and termination of financial aid, the student may appeal in writing to the Director of Financial Aid. Mitigating circumstances as defined by the U.S. Department of Education (34 CFR 668.34) includes:

- Serious illness or injury to the student that required extended recovery time for significant improvement.
- Death or serious illness or injury of an immediate family member.
- Significant trauma in the student's life that impaired the student's emotional and/or physical health.
- Other documented circumstances showing extreme or unusual hardship.

For documentation of illness or medical condition of the student or immediate family member, the student must provide a letter from the attending physician(s) on his/her letterhead documenting that the problem is no longer an influencing factor for the student's future academic performance. The letter must also include the dates over which the medical condition occurred, and these dates must coincide with the time period in which the student failed to maintain SAP. If appropriate, the student may provide a death certificate or obituary.

## Enrollment Status

Financial aid eligibility can be affected by a student's enrollment status. In the Bachelor of Science Degree and Accelerated Science Programs, if a student plans to change between full-time (12 or more hours), three-quarter time (9-11 hours), half-time (6-8 hours), or less than half-time enrollment, he/she must contact the Financial Aid Office.



# 6 STUDENT LIFE

## *St. Louis: Gateway to the West*

Chesterfield, MO, in St. Louis County, the home of Logan, was chosen because of its central location. It is accessible by all modes of travel, being located on a major highway system and in close proximity to Lambert St. Louis International Airport. Logan's campus provides the cosmopolitan flair of a large city, yet is located in a secluded environment on a sprawling, 112-acre wooded hillside in the suburban city of Chesterfield.

St. Louis, "The Gateway to the West," is the home of the renowned Jefferson National Expansion Memorial—the famous Gateway Arch and Jefferson Memorial Museum. The beautiful riverfront area surrounding the monument preserves some of the historic landmarks of the area and provides new facilities that beautify and enhance the entertainment life of St. Louis. Busch Memorial Stadium, home of the professional baseball Cardinals, adjoins the riverfront. Nearby is the Edward Jones Dome, home of the St. Louis Rams professional football team. The Scottrade Center houses the St. Louis Blues professional hockey team. St. Louis has long been famous for its municipal opera, zoo, botanical gardens, art museums, symphony orchestra, and riverfront excursions on the Mississippi.

St. Louis is a major industrial center, with its economy based on a variety of enterprises, including many high-tech businesses. This stable economy is valuable to students in offering many types of jobs in different fields.

St. Louis and Chesterfield offer the community opportunities of a large city, yet are known for friendly Midwestern hospitality.

For more information about St. Louis, check the Visitors' Guide on Logan's website ([www.logan.edu](http://www.logan.edu)) by scrolling over "Prospective Student Information" and clicking on "Visiting the Logan Campus."

## *Professional Responsibilities*

Students are expected to conduct themselves in a manner befitting a professional institution at all times. Unprofessional conduct will not be tolerated.

A student may be suspended or dismissed for unsatisfactory conduct, poor scholarship, not meeting attendance requirements, or for any other cause if it is considered to be detrimental to the interest of Logan or the profession of Chiropractic.

Logan has long recognized that the professional growth and development of students is central to its educational mission and purpose. Consequently, Logan seeks to provide all students with an environment conducive to professional growth, academic achievement, and individual responsibility, fostering respect for the rights and privileges of others. Because conduct as a student often bears on or is ultimately reflective of professional suitability, Logan takes very seriously any misconduct or unprofessional behavior within its student community. Therefore, the administration, the faculty, and the student body have adopted the Honor Code. Additional information regarding the Honor Code is located in the *Student Handbook*.

Each trimester it is determined whether students are maintaining a standard of academic and professional conduct acceptable for continued enrollment at Logan. The right to exclude students whose academic and/or professional conduct is inappropriate, undesirable, unprofessional, or detrimental to Logan's educational mission is a right reserved. The Administration reserves the right to exclude or dismiss any students at the request of the faculty, Professional Committee, Academic Standing Committee, Admissions Committee, or at its own discretion. Lack of academic success and professional penalties are listed elsewhere in the *Catalog* and in the *Student Handbook*.

## *Student Resources*

Logan prides itself in serving the student body in many ways. Listed below are a few of the available resources. For more information on many of these resources please refer to the *Student Handbook*.

Athletic Program  
 Bookstore  
 Bursar's Office  
 Cafeteria  
 Career Development  
 Student Services Office  
 Counseling  
 Disability Services  
 Make-up Examination Services  
 Off Campus Employment Information  
 Student Health Insurance  
 Tutoring  
 Lockers  
 Financial Aid  
 Learning Resources Center  
 Registrar's Office  
 Student Doctors Council  
 Security  
 Wellness Center

## Committees

There are several standing committees that are open to student representation. Examples include the Constitution Bylaw's Committee, Awards Committee, Professional Committee, Academic Standing Committee, Finance Committee, Admissions Committee, Parking Committee, Committee on Reinstatement, and Scholarship Committee. For more information or to express interest in serving, contact a member of the Student Doctors Council.

## Student Organizations

Logan offers a wide variety of recreational and social activities for students and their families. In addition, there are numerous clubs and organizations available for membership.

Following is a list of some of the active student organizations on campus:

**Chi Rho Sigma:** This is a national professional chiropractic coed fraternity dedicated to improving the welfare of future Doctors of Chiropractic and the profession as a whole. The fraternity concentrates on leadership, accountability, and professionalism to support the college mission.

**Lambda Kappa Chi:** This is a national professional sorority focusing on the science, art, and philosophy of Chiropractic through the education of students, faculty, and practitioners.

**Omega Sigma Pi:** This is a national professional chiropractic sorority. This sorority at Logan is dedicated to the promotion and development of the chiropractic

profession, the school, and the cultivation of professional growth of each student.

**Pi Kappa Chi:** This is a national professional chiropractic fraternity emphasizing quality, academics, and involvement in issues concerning the chiropractic community.

Note: The above fraternities and sororities are dedicated to furthering the aims and purposes of the chiropractic profession. They sponsor various annual programs, speakers, seminars, and projects designed to advance the principles of Chiropractic to the student, the field doctor, and the community. Students invited to join must complete a pledge program.

**Student American Black Chiropractic Association (SABCA):** The Logan Chapter of the Student American Black Chiropractic Association follows the guidelines of the American Black Chiropractic Association in furthering the role of minorities in Chiropractic.

**Student American Chiropractic Association (SACA):** The Logan Chapter of the American Chiropractic Association follows the guidelines of the parent American Chiropractic Association in furthering the goals of Chiropractic at the student level. Information on membership is available from the student representative.

**Student International Chiropractors Association (SICA):** The Logan Chapter of the International Chiropractic Association follows the guidelines of the parent International Chiropractors Association in furthering the goals of Chiropractic at the student level.

**Student Government:** The student body and all student groups are represented by the Student Doctors Council, which oversees all student activities and serves as the official voice of Logan students. Officers are elected from the student body and serve a term of office lasting two trimesters. Each class and student organization has representatives who attend the Student Doctors Council meetings.

Additionally, Logan offers membership in a variety of technique, sport, and other special interest clubs.

## Governing Student Organizations

Student organizations fall under the supervision of the Office of Student Services. New organizations requesting recognition by the school must meet certain criteria as outlined by the Office of Student Services. All clubs must have a current charter on file with the Office of Student Services and the Student Doctors Council to be recognized

as an official organization of Logan. Each organization must seek approval through the Office of Student Services and be represented by a faculty sponsor. All new organizations must complete the proper forms available in the Office of Student Services and meet all applicable deadlines.

## Eligibility for Extracurricular Activities

All students in good academic and professional standing are encouraged to participate in extracurricular activities. No student who is on professional or academic probation may run for or hold a position of leadership in any activity or committee or go on Logan-sponsored travel. Additionally, no student on professional or academic probation may participate in non-academic club or intramural programs and activities. Refer to the *Student Handbook* for additional information.

## Awards Day

Each trimester students who make a significant contribution towards the betterment of the Logan community are recognized in a formal ceremony to honor their contributions of time, talents, dedication, service, and energy.

## Athletic Program

The athletic program, headed by the Director of Sports and Activities, includes competition at the intramural, club, and community levels. Intramural sports at Logan include softball, basketball, volleyball, ultimate frisbee, tennis, and flag football. Club sports include men's and women's basketball, men's soccer, tennis, hockey, and golf.

The Director of Sports and Activities is responsible for scheduling all activities, maintaining athletic inventory, and providing news to the student body as to scheduled events and opportunities for athletic/recreational activities.

Logan encourages utilization of the work out facility within the Wellness Center and athletic fields by students. Requests for new activities and/or equipment items are reviewed each August, and funds are allotted for these requests based upon funds availability and administrative judgment. Inventory and supplies purchased by Logan are maintained by the Director of Sports and Activities and must be checked out for student use.

## School Colors

The school colors of Logan are havilland blue and white.

## Campus Traditions and Annual Events

There are many traditions to bring the student body together for fellowship and recreation. One of the most notable is the semi-annual Field Day, held during the May and September trimesters. This event includes interclass competition in a wide variety of sports including softball, volleyball, basketball, track events, tug-of-war, etc. The winning class receives an award for its athletic achievement. There are also a number of dances and student social gatherings that are sponsored by the student body and the Office of Student Services.

Another exciting time at Logan occurs during the Logan Alumni Association's Homecoming in June. The entire conference is open to the student body and the entire Logan community. The format generally consists of lectures by renowned Doctors of Chiropractic, various programs of interest for spouses, and a bevy of scheduled entertainment for the entire family. Homecoming is a time to celebrate both accomplishments and shared experiences and to look ahead to the upcoming year.

## Career Development

The Career Development Center of Logan offers a wide range of services for all students and graduates. Information on professional opportunities is available. Worldwide associateships, independent contractor positions and practices, and/or equipment for sale are formulated into "The Classifieds" newsletter. Established Doctors of Chiropractic utilize this service as a vehicle for finding associates and partners and to sell practices and/or equipment. Demographic information and licensure requirements for each state are made available upon request. In addition, resume and curriculum vita review is available. It is the goal of Career Development Center to assist all Logan students in their career pursuits.

## Insurance

Health and accident insurance information is available through the Office of Student Services. Information is also available for coverage for spouse and children.

## Student Complaints

Each student has the right to disagree with the opinions of other students, faculty members, or officers. Additionally, each student has the right to disagree with Logan policies. However, all students must abide by the policies and procedures of Logan as written.

Students are not permitted to use class time to make announcements or render any other information without the permission of the instructor, or to post information without permission from the Office of Student Services.

If a student has a concern with an instructor regarding a classroom situation, he/she should first contact the instructor. If the problem is not resolved, the student should meet with the instructor's Division Chairperson to try to resolve the situation. Following that step, if the student is not satisfied, he/she should communicate with the Dean of Student Services and subsequently with the Vice President of Academic Affairs.

If after following this procedure the student feels a satisfactory solution has not been reached, the student may request, from the Vice President of Academic Affairs, that an Ad Hoc Faculty Hearing Committee investigate the complaint. Complete information about this process is located in the *Student Handbook*.

If a student has a complaint of a personal nature he or she should contact the Office of Student Services for resolution.

## Counseling

Counseling services are available to students, faculty, and staff, as well as spouses, family, and significant others at no charge.

The counseling program is staffed with qualified professionals who are skilled at providing services relevant to a wide range of concerns.

In addition to the counseling services available to students and their immediate family members on campus, Logan has also partnered with H & H Health Associates to offer off-site counseling services, available throughout the country. Please visit the Office of Student Services for additional details.

## Drug-Free College Campus

The possession, use, distribution or sale of narcotics or drugs, other than those medically prescribed, properly used, and in the original container, by students, faculty, staff, or visitors on Logan property or while on Logan business is prohibited. Logan reserves the right to inspect Logan property and personal belongings if it has

a reasonable suspicion that a student, staff member, or faculty member is in violation of this policy.

Off-campus possession, use, distribution, or sale of narcotics or drugs by students, faculty, or staff is inconsistent with Logan's policies and goals, and therefore is prohibited. Any and all types of illegal drug paraphernalia, including but not limited to bongs, pipes, or any items modified or

adapted so that they can be used to consume illegal drugs, are not permitted on Logan property.

Logan's policy regarding use of alcohol is consistent with local, state and federal laws/regulations. The Alcohol Use Policy is presented in the *Student Handbook* and focuses on the responsible use of alcohol at all Logan events.

Alcohol and drug abuse prevention, counseling, and treatment programs are coordinated through the Student Services Department.

## Concealed Weapons Policy

Logan strives to make the learning and work environment as safe as possible. To that end, Logan does not tolerate actual or threatened violence on its premises or when directed at a Logan staff member, faculty member, student, guest, or visitor on or off premises. Verbal or written threats or any kind, even in jest, will not be tolerated and may result in disciplinary action up to and including termination, expulsion, or removal from the premises pending investigation. Fighting or verbal threats will be dealt with promptly.

In a further effort to maintain a violence-free learning and work environment, Logan has adopted the following policy regarding firearms and concealed weapons: (1) firearms, concealed weapons, and explosives are not allowed at any time on property owned or leased by Logan (including Logan owned or leased parking lots) or in vehicles owned or leased by Logan, or on the person of any faculty or staff member, student, visitor, or guest while that individual is on Logan property; (2) firearms, concealed weapons, and explosives are not allowed in the private vehicle of any faculty or staff member, student, visitor, or guest of Logan while such vehicle is on Logan property; and (3) Logan reserves the right to search and/or inspect faculty and staff members, students, guests, and visitors, their personal belongings, and their vehicles located on Logan property if Logan believes it is necessary to enforce this policy.

Even though Missouri has passed a concealed weapons law, the law provides that one is not entitled to carry a concealed weapon into any higher education institution without the consent of the governing body of the higher education institution. Logan does not, under any circumstances, consent to carrying a concealed weapon on its property or to having a concealed weapon in vehicle while parked on Logan property. Only law enforcement officers or authorized security personnel are allowed to carry weapons on Logan property.

Any violation of this policy or any refusal to allow Logan to search and/or inspect one's person, belongings, or vehicle while on Logan property will result in discipline up to and including termination of employment, suspension, expulsion, or removal from the premises.



# 7 BOARD OF TRUSTEES, ADMINISTRATION, AND FACULTY

## Board of Trustees

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Sharon K. Kehrer, MBA  
Secretary

Patricia Marcella, BS  
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Ralph Barrale, DC  
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Elizabeth A. Goodman, DC, PhD  
Dean of University Programs

James Paine, MEd  
Dean of Student Services

Patricia Marcella, BS  
Chief Financial Officer

Laura L. McLaughlin, MA, JD  
General Counsel

## Administrative Council

The Administrative Council is composed of the President's Cabinet and the following individuals.

Assistant Vice President of Academic Affairs, Angela R. McCall, PhD

Dean of Research and Development, Rodger Tepe, PhD  
Director of Career Development Center, Linda Kenny, MA

Director of Clinical Research, Cheryl Hawk, DC, PhD

Director of Enrollment Services, Steve Held, BS

Director of Financial Aid, Linda Haman, MA

Director of Human Resources, Les Lexow, MA

Director of Information Systems, Ginger Jackson, BS

Director of the Learning Resources Center, Chabha Tepe, MA, MSLIS

Director of Media, Vince McGee, MS

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## 8 ALUMNI ASSOCIATION AND ALUMNI BOARD

After the first class graduated in 1939 the foundation was laid for the Alumni Association of Logan College of Chiropractic. The Articles of Association for the present organization were signed on May 31, 1945. The Association's purpose is to protect and promote Logan College of Chiropractic, the art, science, and philosophy of Chiropractic, and the professional welfare of its members. With an established membership program, the Association has been able to provide monetary support to the College as well as assistance in student recruitment. The Alumni Association sponsors an annual homecoming for the alumni and students, providing fellowship, expertise, and leadership in the profession, continuing education, class reunions, and a socially fulfilling experience. Many ongoing programs are available for the student body.

## Alumni Association Officers and Board Members

Alan P. Epstein, DC ..... President  
Christopher Shoff, DC ..... First Vice President  
D. Robert Kuhn, DC, DACBR .. Second Vice President  
Nicole Bennett, DC..... Secretary  
Ralph Barrale, DC ..... Treasurer  
David Poe, DC ..... Past President  
Jason Strotheide, DC ..... Board Member  
Sean P. Casey, DC..... Board Member  
Brian Snyder, DC..... Board Member  
Brian Gfrerer, DC ..... Board Member  
William Austin, DC ..... Board Member  
Christina Anshus, DC ..... Board Member  
Sean E. McCaffrey, DC ..... Board Member  
Gary Ditson, DC ..... Board Member  
Angela Foster, DC ..... Board Member  
Anthony W. Calandro, DC..... Alumni Representative  
to the Board of Trustees  
Karen M. Dishauzi, DC ..... Faculty Representative  
Shawn Lavigne, DC..... Advisory

## Logan College Auxiliary

Mrs. Leslie Small..... President  
Mrs. Cathie Reeve ..... Vice President  
Mrs. Mitzi Parry ..... Secretary



# Academic Calendars

## 2011

Jan. 10.....Faculty Meeting  
Jan. 11.....New Student Orientation  
Jan. 11.....Classes Start Tri 2-10 and MS  
Jan. 12.....Classes Start Tri 1 and UG  
Jan. 13.....Competency Boards  
Jan. 17.....Dr. Martin Luther King, Jr. Birthday Recess  
Feb. 8.....ASP Midterm Grades Due  
Feb. 21.....President's Day Recess  
Feb. 26.....BS Commencement  
Mar. 4.....Part I ASP Finals  
Mar. 7.....Part II ASP Begins  
Mar. 11.....Midterm Grades Due – UG, DC, MS  
Mar. 18-20.....National Boards Parts I, II, III, PT  
Apr. 4.....ASP Midterm Grades Due  
Apr. 15-21.....Final Examinations  
Apr. 21.....Part II ASP Finals  
Apr. 22.....Finals Makeup Day  
Apr. 22.....Awards Program  
Apr. 23.....Commencement  
Apr.23-May 8.....Trimester Recess  
May 9.....Faculty Meeting  
May 10.....New Student Orientation  
May 10.....Classes Start Tri 2-10 and MS  
May 11.....Classes Start Tri 1 and UG  
May 12.....Competency Boards  
May 13-15.....National Boards Part IV  
May 30.....Memorial Day Recess  
Jun. 7.....ASP Midterm Grades Due  
Jun. 9-11.....Homecoming  
Jul. 1.....Part I ASP Finals  
Jul. 4.....Independence Day Recess  
Jul. 5.....Part II ASP Begins  
Jul. 8.....Midterm Grades Due – UG, DC, MS  
Aug. 1.....ASP Midterm Grades Due  
Aug. 12-18.....Final Examinations  
Aug. 18.....Part II ASP Finals  
Aug. 19.....Finals Makeup Day  
Aug. 19.....Awards Program  
Aug. 20.....Commencement  
Aug. 20-Sep.5.....Trimester Recess  
Sep. 6.....Faculty Meeting  
Sep. 7.....New Student Orientation  
Sep. 7.....Classes Start Tri 2-10 and MS  
Sep. 8.....Classes Start Tri 1 and UG  
Sep. 8.....Competency Boards  
Sep. 16-18.....National Boards Parts I, II, III, PT  
Oct. 4.....ASP Midterm Grades Due  
Oct. 28.....Part I ASP Finals  
Oct. 31.....Part II ASP Begins  
Nov. 4.....Midterm Grades Due – UG, DC, MS  
Nov. 11-13.....National Boards Part IV  
Nov. 23.....Thanksgiving Recess After 4th Period  
Nov. 24-27.....Thanksgiving Recess  
Nov. 28.....ASP Midterm Grades Due  
Dec. 9-15.....Final Examinations  
Dec. 15.....Part II ASP Finals  
Dec. 16.....Finals Makeup Day  
Dec. 16.....Awards Program  
Dec. 17.....Commencement  
Dec. 17-Jan 8.....Trimester Recess

## 2012

Jan. 9.....Faculty Meeting  
Jan. 10.....New Student Orientation  
Jan. 10.....Classes Start Tri 2-10 and MS  
Jan. 11.....Classes Start Tri 1 and UG  
Jan. 12.....Competency Boards  
Jan. 16.....Dr. Martin Luther King, Jr. Birthday Recess  
Feb. 7.....ASP Midterm Grades Due  
Feb. 20.....President's Day Recess  
Feb. 25.....BS Commencement  
Mar. 2.....Part I ASP Finals  
Mar. 5.....Part II ASP Begins  
Mar. 9.....Midterm Grades Due – UG, DC, MS  
Mar. 16-18.....National Boards Parts I, II, III, PT  
Mar. 24.....Slice of Logan  
Apr. 2.....ASP Midterm Grades Due  
Apr. 6-9.....Spring Recess  
Apr. 13-19.....Final Examinations  
Apr. 19.....Part II ASP Finals  
Apr. 20.....Finals Makeup Day  
Apr. 20.....Awards Program  
Apr. 21.....Commencement  
Apr.21-May 13.....Trimester Recess  
May 14.....Faculty Meeting  
May 15.....New Student Orientation  
May 15.....Classes Start Tri 2-10 and MS  
May 16.....Classes Start Tri 1 and UG  
May 17.....Competency Boards  
May 18-20.....National Boards Part IV  
May 28.....Memorial Day Recess  
Jun. 12.....ASP Midterm Grades Due  
Jun. 14-16.....Homecoming (tentative)  
Jun. 16.....Slice of Logan  
Jul. 4.....Independence Day Recess  
Jul. 6.....Part I ASP Finals  
Jul. 9.....Part II ASP Begins  
Jul. 13.....Midterm Grades Due – UG, DC, MS  
Aug. 6.....ASP Midterm Grades Due  
Aug. 17-23.....Final Examinations  
Aug. 23.....Part II ASP Finals  
Aug. 24.....Finals Makeup Day  
Aug. 24.....Awards Program  
Aug. 25.....Commencement  
Aug. 25-Sep. 9.....Trimester Recess  
Sep. 10.....Faculty Meeting  
Sep. 11.....New Student Orientation  
Sep. 11.....Classes Start Tri 2-10 and MS  
Sep. 12.....Classes Start Tri 1 and UG  
Sep. 13.....Competency Boards  
Sep. 14-16.....National Boards Parts I, II, III, PT  
Oct. 6.....Slice of Logan  
Oct. 9.....ASP Midterm Grades Due  
Nov. 2.....Part I ASP Finals  
Nov. 5.....Part II ASP Begins  
Nov. 9.....Midterm Grades Due – UG, DC, MS  
Nov. 9-11.....National Boards Part IV  
Nov. 21.....Thanksgiving Recess After 4th Period  
Nov. 22-25.....Thanksgiving Recess  
Dec. 3.....ASP Midterm Grades Due  
Dec. 14-20.....Final Examinations  
Dec. 20.....Part II ASP Finals  
Dec. 21.....Finals Makeup Day  
Dec. 21.....Awards Program  
Dec. 22.....Commencement  
Dec. 22-Jan 13.....Trimester Recess

## 2013

Jan. 14.....Faculty Meeting  
Jan. 15.....New Student Orientation  
Jan. 15.....Classes Start Tri 2-10 and MS  
Jan. 16.....Classes Start Tri 1 and UG  
Jan. 17.....Competency Boards  
Jan. 21.....Dr. Martin Luther King, Jr. Birthday Recess  
Feb. 12.....ASP Midterm Grades Due  
Feb. 18.....President's Day Recess  
Feb. 23.....BS Commencement  
Mar. 8.....Part I ASP Finals  
Mar. 11.....Part II ASP Begins  
Mar. 15.....Midterm Grades Due – UG, DC, MS  
Mar. 15-17.....National Boards Parts I, II, III, PT  
Mar. 23.....Slice of Logan  
Mar. 29-Apr. 1.....Spring Recess  
Apr. 8.....ASP Midterm Grades Due  
Apr. 19-25.....Final Examinations  
Apr. 25.....Part II ASP Finals  
Apr. 26.....Finals Makeup Day  
Apr. 26.....Awards Program  
Apr. 27.....Commencement  
Apr.27-May 12.....Trimester Recess  
May 13.....Faculty Meeting  
May 14.....New Student Orientation  
May 14.....Classes Start Tri 2-10 and MS  
May 15.....Classes Start Tri 1 and UG  
May 16.....Competency Boards  
May 17-19.....National Boards Part IV (tentative)  
May 27.....Memorial Day Recess  
Jun. 11.....ASP Midterm Grades Due  
Jun. 13-15.....Homecoming (tentative)  
Jun. 22.....Slice of Logan  
Jul. 4.....Independence Day Recess  
Jul. 5.....Part I ASP Finals  
Jul. 8.....Part II ASP Begins  
Jul. 12.....Midterm Grades Due – UG, DC, MS  
Aug. 5.....ASP Midterm Grades Due  
Aug. 16-22.....Final Examinations  
Aug. 22.....Part II ASP Finals  
Aug. 23.....Finals Makeup Day  
Aug. 23.....Awards Program  
Aug. 24.....Commencement  
Aug. 24-Sep. 8.....Trimester Recess  
Sep. 6-8.....National Boards Parts I, II, III, PT  
Sep. 9.....Faculty Meeting  
Sep. 10.....New Student Orientation  
Sep. 10.....Classes Start Tri 2-10 and MS  
Sep. 11.....Classes Start Tri 1 and UG  
Sep. 12.....Competency Boards  
Oct. 5.....Slice of Logan  
Oct. 8.....ASP Midterm Grades Due  
Nov. 1.....Part I ASP Finals  
Nov. 4.....Part II ASP Begins  
Nov. 8.....Midterm Grades Due – UG, DC, MS  
Nov. 15-17.....National Boards Part IV (tentative)  
Nov. 27.....Thanksgiving Recess After 4th Period  
Nov.28-Dec. 1.....Thanksgiving Recess  
Dec. 2.....ASP Midterm Grades Due  
Dec. 13-19.....Final Examinations  
Dec. 19.....Part II ASP Finals  
Dec. 20.....Finals Makeup Day  
Dec. 20.....Awards Program  
Dec. 21.....Commencement  
Dec. 21-Jan 12.....Trimester Recess

## 2014

Jan. 13.....Faculty Meeting  
Jan. 14.....New Student Orientation  
Jan. 14.....Classes Start Tri 2-10 and MS  
Jan. 15.....Classes Start Tri 1 and UG  
Jan. 16.....Competency Boards  
Jan. 20.....Dr. Martin Luther King, Jr. Birthday Recess  
Feb. 11.....ASP Midterm Grades Due  
Feb. 17.....President's Day Recess  
Feb. 22.....BS Commencement  
Mar. 7.....Part I ASP Finals  
Mar. 10.....Part II ASP Begins  
Mar. 14.....Midterm Grades Due – UG, DC, MS  
Mar. 21-23.....National Boards Parts I, II, III, PT  
Mar. 29.....Slice of Logan  
Apr. 7.....ASP Midterm Grades Due  
Apr. 16-24.....Final Examinations  
Apr. 18-21.....Spring Recess  
Apr. 24.....Part II ASP Finals  
Apr. 25.....Finals Makeup Day  
Apr. 25.....Awards Program  
Apr. 26.....Commencement  
Apr.26-May 11.....Trimester Recess  
May 12.....Faculty Meeting  
May 13.....New Student Orientation  
May 13.....Classes Start Tri 2-10 and MS  
May 14.....Classes Start Tri 1 and UG  
May 15.....Competency Boards  
May 16-18.....National Boards Part IV (tentative)  
May 26.....Memorial Day Recess  
Jun. 10.....ASP Midterm Grades Due  
Jun. 12-15.....Homecoming (tentative)  
Jun. 21.....Slice of Logan  
Jul. 3.....Part I ASP Finals  
Jul. 4.....Independence Day Recess  
Jul. 7.....Part II ASP Begins  
Jul. 11.....Midterm Grades Due – UG, DC, MS  
Aug. 4.....ASP Midterm Grades Due  
Aug. 15-21.....Final Examinations  
Aug. 21.....Part II ASP Finals  
Aug. 22.....Finals Makeup Day  
Aug. 22.....Awards Program  
Aug. 23.....Commencement  
Aug. 23-Sep. 7.....Trimester Recess  
Sep. 8.....Faculty Meeting  
Sep. 9.....New Student Orientation  
Sep. 9.....Classes Start Tri 2-10 and MS  
Sep. 10.....Classes Start Tri 1 and UG  
Sep. 11.....Competency Boards  
Sep. 12-14.....National Boards Parts I, II, III, PT  
Oct. 4.....Slice of Logan  
Oct. 7.....ASP Midterm Grades Due  
Oct. 31.....Part I ASP Finals  
Nov. 3.....Part II ASP Begins  
Nov. 7.....Midterm Grades Due – UG, DC, MS  
Nov. 14-16.....National Boards Part IV (tentative)  
Nov. 26.....Thanksgiving Recess After 4th Period  
Nov. 27-30.....Thanksgiving Recess  
Dec. 1.....ASP Midterm Grades Due  
Dec. 12-18.....Final Examinations  
Dec. 18.....Part II ASP Finals  
Dec. 19.....Finals Makeup Day  
Dec. 19.....Awards Program  
Dec. 20.....Commencement  
Dec. 20-Jan 11.....Trimester Recess

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