

Department of Psychology

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The Department of Psychology offers programs which lead to three graduate degrees: the Master of Arts with a major in Psychology and concentrations in Clinical, Experimental, Industrial/Organizational, Quantitative Psychology, and Pre-Specialist in Education: School Psychology; the Master of Education with a major in School Counseling, Pre K-12; and the Specialist in Education with a major in Curriculum and Instruction, concentration in School Psychology. The department also offers a minor at the graduate level.

Normally, a score of 900 combined verbal and quantitative sections of the Graduate Record Examination is recommended for admission to the Specialist in Education program or to the Master of Arts with concentrations in Clinical, Experimental, Quantitative Psychology, and Pre-Specialist in Education: School Psychology; a GRE quantitative or analytical of 450 is expected for the Industrial/Organizational concentration. A score of 900 combined verbal and quantitative or verbal and analytical sections on the GRE is expected for admission to the M.Ed. program. Applicants for Clinical also must submit a GRE Psychology Subject Examination. An undergraduate GPA of 3.00 is normally required for unconditional admission.

Requirements for the Master of Arts

The Master of Arts in Psychology has five different concentrations. Each concentration has its own admission standards and required courses. Listed below are the general admission and graduation standards for the M.A. programs. Following the shared standards is additional information, including required courses, for specific concentrations.

Admissions Process

Admission to graduate study is not automatic for students meeting minimal admission requirements. Students are selected from a pool of qualified applicants. Each year the number of students admitted to the program depends on the availability of adequate faculty supervision. Applications for Summer/Fall admission must be complete by March 1 and applications for Spring admission must be complete by October 1; late applicants who meet the admission criteria may be considered on a case-by-case basis. (See admission standards under Admission to the College of Graduate Studies.) Applicants must have completed 18 hours in undergraduate psy-

chology to be considered for admission to a concentration area. Applicants to the Clinical program should contact the department for a special application and reference forms. Applicants to the School Counseling Program should contact the department for special reference forms. Applicants to Experimental and School Psychology must provide a letter of intent stating goals and objectives.

Conditional Admission

Students who do not meet admission requirements may be admitted conditionally to a specific concentration. Students admitted conditionally must maintain a 3.25 GPA in their first 12 hours of required graduate courses in their concentration area.

Readmission: See each area coordinator and program handbook for readmission policy.

Candidacy Form

Students must file a Candidacy Form with the Graduate Office prior to the completion of 24 credit hours.

Graduation Requirements

Candidate must

- demonstrate knowledge of the core areas of psychology by completing the following courses at either the undergraduate or graduate level (relevant courses offered at MTSU are listed in parentheses):
 - group measurement/testing (PSY 4260/5260 or 6050);
 - abnormal psychology or personality (PSY 3230/5230, 3590, 6020 or 6030);
 - learning or cognition (PSY 4040, 4480/5480, 4800/5800, or 6190);
 - social or developmental (PSY 2210, 2300, 4190, 4210/5210, 4610/5610, 6120, 6130, 6410);
 - physiological, sensation and perception, or research methods (PSY 3070/5070, 4780/5780, 4240/5240, or 4030/5030);
- complete a total of 45 semester hours (48 for Clinical), including at least 33 hours in psychology. For some concentrations, the remaining hours may include either a minor or two cognates in other academic areas as approved by the graduate advisor. Only 30 percent of the total number of hours may be dually listed (5000 level meeting in conjunction with 4000 or 3000 level) courses;
- complete PSY 6280 (PSY 3020 or equivalent is a prerequisite for PSY 6280), 6290, and 6640 (3 hours);
- successfully write and orally present a written thesis evaluated by a committee of psychology faculty in conjunction with PSY 6640;
- pass a written comprehensive examination prepared by the faculty in the student's concentration (may be taken no more than twice).

Performance Requirements

Students must be able to meet the demands required for professional work in psychology. Therefore, students may be subject to dismissal from the Psychology Department if they (a) commit a serious breach of ethics or gross professional negligence or (b) present evidence of impaired psychological functioning that would present a danger to themselves or others in a professional role. Students who are dismissed may

re-apply and will be considered for re-admission on a competitive basis. Students who re-apply may be asked to provide evidence of improved ability to meet performance requirements.

Psychology Major Concentration: Clinical

Prerequisites: Courses listed under 1. a,c,d, and e (above). Under 1.b., Abnormal Psychology is required. Graduate courses taken to satisfy these prerequisites do **not** count as part of the 48 graduate hours required for the M.A. degree. Students must be fully admitted prior to enrolling in required core courses. Non-degree seeking students may **not** enroll in required clinical courses, except by special permission.

Required

PSY 6020	Theories of Personality
PSY 6250	Objective Personality Assessment
PSY 6100	Intellectual Assessment
PSY 6010	Clinical Interventions
PSY 6510	Psychopathology
PSY 6690	Professional Issues and Roles
PSY 6800	Techniques of Psychotherapy
PSY 6840	Individual Psychotherapy
PSY 6850	Field Practicum: Clinical
PSY 6860	Field Practicum: Clinical

Electives

Students in the Clinical concentration must take 9 elective credits in addition to the required courses in the core area and the research area. No more than 6 of the 9 elective credits may be listed as 5000-level courses. In order to meet requirements for state licensure, the electives must be in the specific areas listed below.

1. Students must choose at least 3 credits from the following list. (Up to 9 credits may be chosen from this list):

PSY 5780	Human Neuropsychology
PSY 6080	Interventions with Children and Adolescents
PSY 6170	Group Counseling and Psychotherapy
PSY 6340	Behavioral Medicine: Theory and Application
PSY 6400	Psychological Disorders of Children
PSY 6440	Advanced Applied Behavioral Analysis
PSY 6520	Psychopharmacology
PSY 6820	Family Therapy: Evaluation and Treatment Planning
PSY 6830	Techniques of Family Therapy
PSY 7520	Assessment and Treatment of Addictions

No more than one of the following:

PSY 6710	Community Psychology
PSY 6890	Consultation

No more than two of the following:

PSY 6240	Projective Measurements
PSY 6750	Psychology and Assessment of Learning Disabilities
PSY 6770	Assessment and Therapeutic Interventions for Children's Emotional Problems
PSY 6780	Clinical Neuropsychology

2. If students choose only 3 credits from the above list, they must choose AT LEAST 3 credits from the following:

PSY 5460	Psychology of Happiness and Well-Being
PSY 6030	Current Topics in Personality
PSY 6580	Multivariate Data Analysis
PSY 7100	Multicultural and Social Bases for Assessment and Intervention Practices

No more than one of the following (must be in addition to the course which meets prerequisite):

PSY 5610	Adult Psychology and Aging
PSY 6120	Developmental Psychology: Child
PSY 6130	Developmental Psychology: Adolescent

No more than one of the following:

PSY 6190	Advanced Cognitive Psychology
PSY 6530	Psychology of Reading and Reading Development

3. If students need an additional 3 elective credits, they may choose from the following:

PSY 6390	Independent Research in Psychology: Clinical (1-3 credits)
PSY 6630	Literature Review and Reading in Psychology: Clinical (1 credit)
PSY 6870	Field Practicum (Clinical)

Professional liability insurance (\$1,000,000 each incident/\$3,000,000 annual aggregate) must be maintained throughout enrollment in the program, with a current insurance binder filed with the department at all times.

Psychology Major Concentration: Experimental

The goal of the Experimental concentration in psychology is to prepare the student to be a research psychologist. The primary application of this degree is to prepare the student to enter a Ph.D. program in psychology. However, many industries and clinical settings are interested in students with the analytical and statistical skills of a research psychologist.

Experimental students need to have a strong background in the core areas of experimental psychology. This background can be met at the undergraduate level; however, these competencies may also be completed while enrolled in the program (see pre- and co-requisites listed below). Beyond these competencies, students must take a small core of required courses and develop a specialization in one research area. Students may specialize in developmental, cognitive science, learning, or social/personality. Suggested courses for each specialization are listed below. Specific course requirements for each specialization must be submitted in a program of study and approved by three faculty members to include the student's graduate advisor and the experimental area coordinator. At least one committee member must have expertise in the chosen research specialization.

Prerequisites/Co-requisites (may be met at the undergraduate level):

Students must complete courses in the following areas: 1) behavioral neuroscience, 2) child or lifespan development, 3) perception, 4) learning or cognitive, 5) research methods, 6) statistics, and 7) social/personality. Students who have not taken these courses at the undergraduate level may take a 5000 level equivalent while in the graduate program.

Core Courses

PSY 6600	Independent Research in Psychology: General/Experimental (9 hours total)
PSY 6670	Literature Review and Reading in Psychology: Behavioral Neuroscience (at least 3 hours)

Completion of an approved program of study in a research emphasis

Suggested Courses in the Experimental Specializations Developmental

PSY 5250	Psychology of Exceptional Children
PSY 5610	Adult Psychology and Aging
PSY 5620	Psychology of Women
PSY 5820	Psychology of Language
PSY 6120	Developmental Psychology: Child
PSY 6130	Developmental Psychology: Adolescent
PSY 6190	Advanced Cognitive Psychology
PSY 6400	Psychological Disorders of Children

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- PSY 6410 Development Across the Lifespan
PSY 6530 Psychology of Reading and Reading Development

Cognitive Science

- PSY 5780 Human Neuropsychology
PSY 5800 Cognition: Thinking and Reasoning
PSY 5820 Psychology of Language
PSY 6190 Advanced Cognitive Psychology
PSY 6530 Psychology of Reading and Reading Development
PSY 6560 Computer-Based Statistical Packages
PSY 6580 Multivariate Data Analysis

Social/Personality

- PSY 5380 Group Dynamics
PSY 5390 Persuasion
PSY 5420 Experimental Social Psychology
PSY 5440 Social Psychology of Close Relationships
PSY 5450 Psychology of the Self
PSY 6020 Theories of Personality
PSY 6030 Current Topics in Personality
PSY 6190 Advanced Cognitive Psychology
PSY 6380 Work Group Effectiveness
PSY 6560 Computer-Based Statistical Packages
PSY 6580 Multivariate Data Analysis

Learning

- PSY 5490 Operant Conditioning
PSY 5800 Cognition: Thinking and Reasoning
PSY 6190 Advanced Cognitive Psychology
PSY 6440 Advanced Applied Behavioral Analysis
PSY 6560 Computer-Based Statistical Packages
A 12-hour minor in biology or other related field

Psychology Major Concentration: Industrial/Organizational

Prerequisite/Co-requisite

- Introductory course in I/O Psychology such as
PSY 3320 Introduction to Industrial Organizational Psychology

Required

- PSY 6070 Advanced Industrial Organizational Training and Development
PSY 6090 Practicum: Industrial/Organizational Psychology
PSY 6300 Literature Review and Reading in Psychology: Industrial/Organizational
PSY 6320 Performance Appraisal and Job Analysis
PSY 6330 Professional Issues in Industrial/Organizational Psychology
PSY 6420 Advanced Personnel Selection and Placement
PSY 6450 Advanced Organizational Psychology
PSY 6570 Psychological Research Methods in Human Resource Management

Two of the following four courses

- PSY 5290 Wage and Salary Administration
PSY 5370 Motivation and Work Attitudes
PSY 6360 Organizational Change and Development
PSY 6380 Work Group Effectiveness

Electives (not an inclusive list; consult advisor)

- PSY 5340 Human Factors Psychology
PSY 5350 Safety Psychology
PSY 5380 Group Dynamics
PSY 6370 Organizational Skills

Psychology Major Concentration: Quantitative

Required

- PSY 6050 Psychological Testing
PSY 6210 Advanced Psychometrics
PSY 6460 Factor Analysis and Related Methods
PSY 6490 Practicum: Quantitative Psychology
PSY 6560 Computer-Based Statistical Packages
PSY 6580 Multivariate Data Analysis

Two of the following:

- PSY 6470 Computer Simulation in the Behavioral Sciences
PSY 6480 Advanced Topics in Quantitative Psychology
PSY 6550 Structural Equation Modeling
PSY 6600 Independent Research in Psychology: General/Experimental, 3 credits
STAT 5190 Mathematical Statistics II
STAT 5370 Nonparametric Statistics

Electives

Two six-hour cognates or a 12-hour minor from any sub-area in psychology or related areas with the permission of the academic advisor.

Psychology Major Concentration: Pre-Specialist in Education: School Psychology

The school psychology program is field-based. As such, a student is required to be continuously enrolled in at least one field-based course every semester from the completion of PSY 6140 until the completion of the program. PSY 6960, 7810, 7080, and 6980 are field-based courses. The policy excludes summer sessions. Tennessee teacher licensing in School Psychology is obtained through MTSU's program. Licensing is competency-based. The seven areas of competency include Learning, Personality, Consultation and Assessment, Research, School Roles, Community Roles, and Internship, all of which are covered by the M.A. program plus either independent study (PSY 6970, 6990, 6980) or SPSE 6010 and 6430. PSY 5250 and 6960 or equivalents, as well as acceptable scores on the National Teachers Exam and Specialty (School Psychologist) are required for all State Department of Education licensing in Tennessee.

Required

- PSY 6000 Orientation to School Psychology
PSY 6060 School Psychology
PSY 6080 Interventions with Children and Adolescents
PSY 6100 Intellectual Assessment
PSY 6140 Practicum: School Psychology
PSY 6750 Psychology and Assessment of Learning Disabilities
PSY 6760 Educational Assessment
PSY 6770 Assessment and Therapeutic Interventions for Children's Emotional Problems
PSY 6890 Consultation
PSY 6950 Literature Review and Reading in Psychology: School

Professional liability insurance, coverage amount at the student's discretion, must be maintained throughout enrollment in the program, with a current insurance binder filed with the department at all times.

Requirements for the Master of Education

School Counseling Major

This M.Ed. is a 49-semester hour program designed to train counselors for work in the schools Pre-K through 12. The concentration is developmental with a prevention/intervention focus. The curriculum covers the eight core areas required by the Council for Accreditation of Counseling and Related Education Programs (CACREP) as well as State Department of Education licensing standards. Students will be evaluated for readiness prior to placement in practicums and internship. One hundred hours of practicum, 600 total hours in two internships, plus an additional 60 hours school experience for persons not licensed to teach are required. Students seeking Tennessee School counseling licensure must request recommendation from a committee of faculty. Completion of the program is not a guarantee of the recommendation for licensure.

Candidate must

1. be evaluated by a committee composed of psychology faculty members and practicing school counselors for admission;
2. file a Candidacy Form with the Graduate Office prior to the completion of 24 credit hours;
3. complete 49 semester hours with no more than 30 percent of the total degree hours dual-listed as undergraduate/graduate hours;
4. successfully complete a written comprehensive examination (may be taken no more than twice).

Performance Requirements

Students must be able to meet the demands required for professional work in psychology. Therefore, students may be subject to dismissal from the Psychology Department if they (a) commit a serious breach of ethics or gross professional negligence, or (b) present evidence of impaired psychological functioning that would present a danger to themselves or others in a professional role. Students who are dismissed may re-apply and will be considered for re-admission on a competitive basis. Students who re-apply may be asked to provide evidence of improved ability to meet performance requirements.

Prerequisite/Co-requisite:

PSY 3020 Basic Statistics for the Behavioral Sciences

Required

PSY 5470	Theories of Counseling
PSY 5720	Multicultural Perspectives in Psychology and Education
PSY 6150	Career Counseling
PSY 6160	Foundations of School Counseling
PSY 6170	Group Counseling and Psychotherapy (with PSY 6180 (617L) Laboratory)
PSY 6220	Organization and Administration of School Counseling Services
PSY 6230	Legal and Ethical Issues in School Counseling
PSY 6260	Pre-practicum in Counseling
PSY 6270	Practicum in School Counseling
PSY 6410	Development Across the Lifespan
PSY 6610	Introduction to Educational and Psychological Research
PSY 6920	Internship: Secondary School Counseling
PSY 6930	Internship: Elementary School Counseling
PSY 6890	Consultation

One of the following:

PSY 5250 Psychology of Exceptional Children
PSY 6400 Psychological Disorders of Children or SPED 6800

One of the following:

PSY 5260 Introduction to Psychological Testing
PSY 6050 Psychological Testing

Professional liability insurance, coverage amount at the student's discretion, must be maintained throughout enrollment in the program, with a current insurance binder filed with the program coordinator at all times.

For Candidates Not Holding a Tennessee Teacher's License

Candidates without a teacher license must meet these additional requirements if they intend to seek recommendation for licensing as a school counselor in Tennessee.

1. Have on the transcript a course in Survey of Exceptional Children.
2. Take and pass with at least a grade of B ELED 5201, Observation and Participation. This is a program prerequisite.
3. Take and pass (per SDE criteria) the Praxis II-Specialty Area Test.

Requirements for the Specialist in Education

Curriculum and Instruction Major Concentration: School Psychology

The school psychology program is field-based. As such, a student is required to be continuously enrolled in at least one field-based course every semester from the completion of PSY 6140 until the completion of the program. PSY 6960, 6980, 7080, and 7810 are field-based courses. The policy excludes summer sessions.

Candidate must

1. hold a master's degree in psychology, educational psychology, or school counseling and normally should have completed all courses listed under the M.A. program for the Pre-Specialist in Education: School Psychology concentration;
2. complete a minimum of 30 semester hours;
3. file a Candidacy Form with the Graduate Office prior to the completion of 24 credit hours;
4. satisfy a residency requirement consisting of (a) the completion of 18 semester hours of graduate study within a 12-month period, and (b) full-time enrollment (at least 9 semester hours) for at least one semester;
5. complete the following courses:
 - FOED 7060 Seminar in Educational Foundations
 - PSY 7080 Practicum: Advanced Interventions with Children
 - SPSE 7130 The Curriculum: Structures and Functions
 - FOED 7610 Directed Individual Educational Research
(not required for students who have completed a thesis course; theses completed at other universities are subject to review)
6. receive preparation (at least a portion of a course) in each of the following 24 areas during graduate studies; these areas are based on National Association of School Psychologists standards

- a. Psychological Foundations
 1. Biological Bases of Behavior
 2. Cultural Diversity
 3. Child/Adolescent Development
 4. Human Exceptionalities (Individual Differences)
 5. Human Learning
 6. Social Bases of Behavior
 - b. Educational Foundations
 7. Instruction and Remedial Techniques (Instructional Design)
 8. Organization and Operation of Schools
 - c. Assessment (Diverse Models)
 9. Learning Disabilities
 10. Intelligence
 11. Personality
 - d. Interventions (Direct and Indirect)
 12. Consultation (Systems and Organizational Change)
 13. Individual Counseling
 14. Group Counseling
 15. Behavior Management
 - e. Statistics/Research Methodologies
 16. Statistics
 17. Evaluation
 18. Measurement
 - f. Professional School Psychology
 19. History and Foundations
 20. Legal and Ethical Issues
 21. Professional Issues/Standards
 22. Role and Function
 23. Alternative Models
 24. Emergent Technologies;
7. complete 7810, an internship of 1200 hours after completion of the M.A. degree courses;
 8. successfully complete a written comprehensive examination (may be taken no more than twice).

Professional liability insurance, coverage amount at the student's discretion, must be maintained throughout enrollment in the program, with a current insurance binder filed with the program coordinator at all times.

Courses in Psychology [PSY]

- 5030 (503) Psychology of Sensation and Perception.** Three credits. Prerequisite: PSY 1410. Modern theories of perception as they relate to knowledge of the external world through perceptual acquaintance. Philosophy of perception, history of sensory psychology, physiological mechanisms of perception, and ecological determinants of perceptual capabilities.
- 5050 (505) Applied Psychopharmacology.** Three credits. Impact of drugs on behavior in today's society. The nature of drug use, abuse, psychological and physiological dependence examined.
- 5060 (506) Sport Psychology.** Three credits. Prerequisite: PSY 1410 or consent of instructor. Application of psychological principles, motivational research, and social/psychological findings to the arena of sports. Theory and application of performance enhancement and teamwork in sports. See ATHC 5060.
- 5070 (507) Research Methods.** Four credits. Prerequisite: PSY 3020. Analysis of methodological issues in psychological research. Offers skills in the formulation, execution, interpretation, and presentation of psychological investigations. Three hours lecture and one one-hour laboratory.
- 5120 (512) Psychology of Criminal Behavior.** Three credits. Survey of theory and research pertaining to criminal behavior, covering topics such as mental illness and crime, criminal homicide, assault, and sex offenses.
- 5130 (503L) Laboratory in Psychology of Sensation and Perception.** One credit.
- 5150 (524L) Laboratory in Behavioral Neuroscience.** One credit.
- 5160 (534L) Laboratory in Human Factors Psychology.** One hour credit.
- 5170 (542L) Laboratory in Experimental Social Psychology.** One credit.
- 5180 (548L) Laboratory in Learning Theories.** One hour credit.
- 5210 (521) Adolescent Psychology.** Three credits. Physiological, emotional, mental, and social characteristics of adolescent development, including primary vectors of influence.
- 5220 (522) Correctional Psychology.** Three credits. Law enforcement, delinquency, and criminal psychology, including psychological evaluation, classification, therapy, and rehabilitation. Special classifications. Field problems. Preventive implications.
- 5230 (523) Abnormal Psychology.** Three credits. Patterns of maladaptive behavior, including anxiety, depression, schizophrenia, antisocial behavior, and mental retardation.
- 5240 (524) Behavioral Neuroscience.** Three credits. The role of the brain in those areas which are typically considered by psychology, such as sensory and motor functions, motivation, higher mental functions, and mental disorders.
- 5250 (525) Psychology of Exceptional Children.** Three credits. Identification and etiology of patterns of exceptionality, with consideration given to behavioral manifestations and preventive and correctional programs.
- 5260 (526) Introduction to Psychological Testing.** Three credits. Modern practices in test construction, selection, and application to classroom and guidance situations. (Student required to participate as principal and subject in administration, scoring, profiling, and in making predictions based on test results.)
- 5290 (529) Wage and Salary Administration.** Three credits. Analysis of theory and practice in administering compensation. Practices and issues related to job analysis, job evaluation, wage and salary administration, incentive plans, and legal considerations.
- 5320 (532) Introduction to Industrial/Organizational Psychology.** Three credits. Applications of psychology to business and industry: employee selection, performance appraisal, training, leadership, motivation, work environment, job design, safety, and work stress.
- 5340 (534) Human Factors Psychology.** Three credits. Prerequisite: PSY 3320/5320 or consent of instructor. The process of designing for human use. Considers individual differences, visual, auditory, and tactile displays, anthropometry, illumination, noise, humans in motion, and space and environmental studies.
- 5350 (535) Safety Psychology.** Three credits. Basic theories of accident causation, safety research literature, methods of accident prevention, and industrial hygiene.

- 5370 (537) Motivation and Work Attitudes.** Three credits. Understanding and application of motivation theories, particularly in the workplace. Emotions; work attitudes, such as job satisfaction; organizational commitment and organizational culture; effects on performance; measurement.
- 5380 (538) Group Dynamics.** Three credits. Functioning of groups. Includes development of group structure, group conflict, cohesion, social influence, leadership, group productivity, group decision making, and growth groups.
- 5390 (539) Persuasion.** Three credits. Survey and analysis of theory and research on interpersonal influence. Applications of findings to various areas of human experience.
- 5420 (542) Experimental Social Psychology.** Three credits. Prerequisite: PSY 2210. Survey of research rationales, strategies, procedures, and methodologies. Ethical concerns and special problems in human subject research.
- 5440 (544) Social Psychology of Close Relationships.** Three credits. Prerequisites: PSY 1410 and 2210. Theoretical and empirical issues in the scientific study of adult, close relationships from a social psychological perspective: initial attraction, relationship formation and maintenance, and dissolution. (Not a course in the broad area of marriage and the family; See CDFS 3320 Family Relationships and SOC 2500 Marriage and Family.)
- 5450 (545) Psychology of the Self.** Three credits. Historical and contemporary theory and research on the self and self-related topics. Definitional and measurement issues, the self as a structure and a process, self-development across the lifespan, and factors affecting self-perception and self-evaluation.
- 5460 (546) Psychology of Happiness and Well-Being.** Three credits. Prerequisite: PSY 1410. Recommended: PSY 2210 and PSY 3230. Survey of the theoretical and research literature in the areas of subjective well-being, happiness, life satisfaction, stress-resistant personality styles, and self-actualizations.
- 5470 (547) Theories of Counseling.** Three credits. Integration of the major theories of counseling and psychotherapy and their application.
- 5480 (548) Learning Theories.** Three credits. Research and experiments in learning and the related growth of the major theories of learning with emphasis on classical and instrumental conditioning and related topics.
- 5490 (549) Operant Conditioning.** Three credits. Prerequisite: PSY 1410. Philosophy of B.F. Skinner's behaviorism explored in his own writings and those of his followers and critics. Current applications of behaviorism in all areas of psychology (child, marriage and family, animal conditioning, mental health, addictions, etc.) also examined.
- 5600 (560) Psychosexual Adjustment.** Three credits. Psychological, cultural, and biological facets of the human sexual experience. Attitudes and behaviors, variances and dysfunctions, implications, and strategies for intervention.
- 5610 (561) Adult Psychology and Aging.** Three credits. A survey of the research on adult development with emphasis on old age. Examines the physical, intellectual, social, vocational, and personality changes during the adult years.
- 5620 (562) Psychology of Women.** Three credits. Psychological impact of the culture on women's attitudes, roles, aspirations, problems, and personality development.
- 5630 (563) Death and Dying.** Three credits. An experiential course covering the folklore of thanatology, the funeral industry, handling grief, counseling the bereaved, the hospice concept. Objectives include an attempt to view death with equanimity and personal growth through confronting death.
- 5650 (565) Health Psychology.** Three credits. Prerequisite: PSY 1410 or consent of instructor. Psychological factors and principles involved in the study of correlates of health and illness, disease prevention, therapeutic interventions, and rehabilitative strategies.
- 5660- (500B,C,D) Psychology Seminar.** One credit each. Representative and integrative study of scientific journals of the field. May be taken for total of three credits.
- 5660 (500B) Industrial-Social**
- 5670 (500C) Clinical-Personality**
- 5680 (500D) General-Experimental**
- 5700 (570) History and Systems of Psychology.** Three credits. A survey of the history and intensive coverage of current systems of psychology.
- 5720 (572) Multicultural Perspectives in Psychology and Education.** Three credits. Theories and research relative to the education of multi-ethnic/racial minorities. Relation of culture and socialization to learning styles, assessment practices, and counseling considerations.
- 5740- (531B,C,D,E) Apprenticeship.** One to three credits each.
- 5770** Supervised practical experience utilizing psychological principles and tools in an established organization.
- 5740 (531B) Child**
- 5750 (531C) Pre-Clinical**
- 5760 (531D) Adolescent**
- 5770 (531E) Gerontology**
- 5780 (578) Human Neuropsychology.** Three credits. Prerequisite: PSY 5240 or consent of instructor. Organization and function of specific brain areas and the behavioral deficits and changes resulting from focal and diffuse brain damage.
- 5800 (580) Cognition: Thinking and Reasoning.** Three credits. Research and theory on thinking and reasoning and their roles in complex cognitive processes such as comprehension and higher learning, memory encoding and retrieval, mental model construction, hypothesis testing, goal setting and planning, problem solving, judgment and decision making, intelligence, and creativity.
- 5820 (582) Psychology of Language.** Three credits. Prerequisite: PSY 1410. A cognitive approach to how people learn and use language to communicate. Covers basic psycholinguistics (production, perception, comprehension, and mental representation), language acquisition, and applied psycholinguistics (bilingualism, language disorders, and machine language).
- 6000 Orientation to School Psychology.** One credit. Introduction to a career as a school psychologist. Uses appropriate materials from the National Association of School Psychologists as well as relevant court decisions and legislative acts to orient students to school psychology.
- 6010 (627G) Clinical Interventions.** Three credits. Prerequisites: Admission to the clinical program or permission of instructor; PSY 6510, 6800, and 6840. A supervised experience in which the student learns how to apply techniques of clinical interviewing for the purpose of developing, implementing, and evaluating

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treatment plans for clients. Liability insurance required prior to enrollment.

6020 (602) Theories of Personality. Three credits. Examines traditional schools of personality theory and current developments within each.

6030 (603) Current Topics in Personality. Three credits. Examines current research findings on personality traits and personality-related processes.

6040 (604) Topics in Industrial/Organizational Psychology. Three credits. Focus on practical aspects of functioning as a professional in the field. Current issues, recent developments, and less-traditional relevant areas.

6050 (605) Psychological Testing. Three credits. Prerequisite: PSY 3020 or equivalent. Modern practices in test construction, selection, and application; legal guidelines, reliability, and validity. Intelligence, abilities, interests, attitudes, values, and personality testing. Students required to participate as examiners and subjects in administering, scoring, profiling, and in making predictions based on test results.

6060 (606) School Psychology. Three credits. An introduction with particular emphasis on the psycho-social perspective. Adaptive instruction of behavior measures included, as are observations of classrooms and teacher interviews.

6070 (607) Advanced Industrial Organizational Training and Development. Three credits. Prerequisite: PSY 3020 or equivalent. Theory and methodology used in the training and development of human resources in organizations: needs assessment, program development, program evaluation, and legal and special issues in training and development.

6080 (608) Interventions with Children and Adolescents. Three credits. Prerequisite: PSY 5250 or 6400 or permission of instructor. Theoretical and practical issues related to interventions with children and adolescents exhibiting behavioral and emotional problems. Intervention strategies for specific problems. Experience designing and evaluating intervention plans. Legal, ethical, and practical issues.

6090 (627B) Practicum: Industrial/Organizational Psychology. Three credits. Prerequisite: Consent of instructor. Supervised experience in industry, business, or government using psychological principles at a professional, applied level.

6100 (627D) Intellectual Assessment. Three credits. Prerequisite: PSY 4260/5260 or 6050. Practical didactic instruction in theory and practice of intelligence testing. Practical supervised experience in rapport, administration, scoring, and interpretation of individual intelligence tests for all age levels. Liability insurance is required.

6110 (611) Advanced Educational Psychology. Three credits. Applies and integrates psychological facts, principles, and techniques to the learning situation, including aspects of human development, learning, counseling, measurement, and evaluation.

6120 (612) Developmental Psychology: Child. Three credits. Survey of research including prenatal, neonatal, and general physical development, emotional development, cognitive development, and social and personality development. Observations.

6130 (613) Developmental Psychology: Adolescent. Three credits. Survey of research on adolescence from a biopsychosocial per-

spective. Student observation and study of developing adolescents from cognitive, biological, social, and psychological frameworks.

6140 (627F) Practicum: School Psychology. Three credits. Prerequisite: 15 semester hours of related graduate credits, including 6060, 6100, and 6750. Supervised assessment of low incidence learning and adjustment problems with follow-up parent, teacher, and administrator conferences. Practicum experience includes 90 hours of supervised work with a practicing certified, full-time psychologist. At least 50 percent of the practicum placement shall be in a school setting. Liability insurance required prior to enrollment.

6150 (615) Career Counseling. Three credits. Prerequisites: PSY 5260 (or 6050) and 6260 or permission of department. History, theory, and issues related to career development, career choice, and career education in grades K-12. Demonstration of the ability to teach career information seeking behavior and decision-making skills.

6160 (616) Foundations of School Counseling. Three credits. History, foundations, philosophy, and principles of developmental school counseling; roles and functions of school counselors, including professional and personal requirements.

6170 (617) Group Counseling and Psychotherapy. Three credits. Prerequisites: PSY 5470 or 6020; PSY 6260 or 6010; permission of instructor. Corequisite: PSY 6180. Group process, ethics, and techniques. Application of counseling theory, group procedures, sociometrics, and group dynamics to interpersonal relations, mental health, school, and industrial settings. Supervised experience. Liability insurance required prior to enrollment.

6180 (617L) Laboratory in Group Counseling and Psychotherapy. One credit.

6190 (619) Advanced Cognitive Psychology. Three credits. Topic-oriented overview of cognitive psychology. Models of attention, perception, memory, language, reasoning, problem-solving, and decision-making. Issues in cognitive development and cognitive neuropsychology.

6200 (619L) Laboratory in Advanced Cognitive Psychology. One credit.

6210 (620) Advanced Psychometrics. Three credits. Prerequisites: PSY 6050 and 6280 or equivalents. Classical test theory and item response theory. Model, assumptions, and problems of classical test theory. Mathematical model, parameter estimation, and adaptive testing procedures using item response theory. Both theories will be utilized for test construction.

6220 (622) Organization and Administration of School Counseling Services. Three credits. Prerequisite: PSY 6160. Organizing, administering, and managing the various components of a developmental school guidance and counseling program.

6230 (623) Legal and Ethical Issues in School Counseling. Three credits. Issues affecting the practice of school counseling, including legal/law, ethics, and credentialing.

6240 (624) Projective Measurements. Three credits. Prerequisite: PSY 6100, 4260/5260, or 6050. Rationale and systematic supervised training in use and scoring of Rorschach (half semester) and other projective devices (half semester). Liability insurance required prior to enrollment.

- 6250 (625) Objective Personality Assessment.** Three credits. Prerequisites: PSY 4260/5260 or 6050; PSY 6100. Practical supervised experience in objective measurement, analysis, and pattern confirmations of key variables of personality, both for normative and specific divergent groups. Emphasis on MMPI. Liability insurance required prior to enrollment.
- 6260 (626) Pre-practicum in Counseling.** Three credits. Prerequisite: PSY 5470 or permission of instructor. Introduces basic communication skills, techniques, and process involved in working with clients in a counseling relationship; extensive role-play practice with peer and faculty feedback. Liability insurance required prior to enrollment.
- 6270 (627A) Practicum in School Counseling.** Three credits. Prerequisites: PSY 6230; 6260 or 6080; 5470 or 6020; and 6170 or permission of instructor. Practical supervised experience in individual and group counseling in a school setting; audio and/or video taping of sessions for peer and faculty feedback. Liability insurance required prior to enrollment.
- 6280 (628/628L) Intermediate Statistics for the Behavioral Sciences.** Three credits. Prerequisite: PSY 3020 or equivalent and satisfactory score on screening examination. Review of basic statistics; various correlation coefficients; multiple and partial correlation; simple and multiple regression. Laboratory included.
- 6290 (629/629L) Advanced Statistics for the Behavioral Sciences.** Three credits. Prerequisite: PSY 6280. Scientific quantification, research design, and statistical analysis from the perspective of analysis of variance: one-way, factorial, repeated measures, and mixed designs. Laboratory included.
- 6320 (632) Performance Appraisal and Job Analysis.** Three credits. Prerequisites: PSY 6280 or permission of instructor. Analysis of theory and practice in job analysis and performance appraisal, including legal aspects, a survey of techniques available, current research, cognitive aspects, and reliability and validity issues.
- 6330 (633) Professional Issues in Industrial/Organizational Psychology.** One credit. Survey of issues related to professional ethics, relevant legislation, professional affiliations, professional identity, and professional responsibilities.
- 6340 (635) Behavioral Medicine: Theory and Application.** Three credits. Prerequisite: Consent of instructor. Review theory, methodology, and application of behavioral medicine. Includes behavioral science issues in health and applications of this information to diagnosis, prevention, treatment, and rehabilitation of health problems for which "life-stress" factors predominate. See PSY 6350.
- 6350 (635L) Laboratory in Behavioral Medicine.** One credit. Prerequisite: Consent of instructor.
- 6360 (636) Organizational Change and Development.** Three credits. Prerequisite: PSY 6450 or permission of instructor. Analysis of theory and practice of organizational change and development, process of change, organizational development (OD) interventions, and evaluation and research of OD effectiveness.
- 6370 (637) Organizational Skills.** Three credits. Prerequisite: PSY 6450 or permission of instructor. Analysis of a variety of interpersonal situations which impact organizational effectiveness and climate. Development of skills: conflict resolution, interviewing, performance feedback, effective meetings, giving recognition, discipline.
- 6380 (638) Work Group Effectiveness.** Three credits. Prerequisite: PSY 5380, 6450, or permission of instructor. Analysis of factors leading to effective work groups. Topics covered include task effects on performance, group composition, leadership, group processes, and team building.
- 6400 (640) Psychological Disorders of Children.** Three credits. Current research and theory of behavioral, cognitive, and emotional disorders in childhood and adolescence.
- 6410 Development Across the Lifespan.** Three credits. Theories and characteristics of human development covering the lifespan.
- 6420 (642) Advanced Personnel Selection and Placement.** Three credits. Prerequisites: PSY 5260 or 6050 and preferably PSY 6280. Legal and research aspects of personnel selection. Methods used for selection, including assessment centers, work samples, and psychological testing.
- 6430 (681A) Internship: Behavior Modification.** Two to ten credits; may be repeated; enrollment must be continuous. Prerequisites: 30 semester hours of psychology including 4400, 5480, or 6020. Minimum of 128 hours of supervised internship in an institutional setting. Liability insurance required prior to enrollment.
- 6440 (644) Advanced Applied Behavioral Analysis.** Three credits. Prerequisite: PSY 4400 or permission of instructor. Intensive presentation of methods used in behavioral assessment and therapy. Application of various behavioral and cognitive-behavioral procedures.
- 6450 (645) Advanced Organizational Psychology.** Three credits. Review of theory and empirical research in organizational psychology. Students will apply theory and research findings to understand and explain work behavior at the individual, group, and organizational levels and will use this knowledge to solve organizational problems.
- 6460 (646) Factor Analysis and Related Methods.** Three credits. Prerequisites: PSY 6280 and 6290 or equivalents. Surveys each of the major factor analysis techniques and related latent trait theory with main focus on application. Nature, power, procedure, computer programming, interpretation, and limitations of each technique.
- 6470 (647) Computer Simulation in the Behavioral Sciences.** Three credits. Prerequisites: PSY 6280, 6290, and 6560 or equivalent. Basic issues in computer simulation and the monte carlo method. Emphasis on the application of simulation and monte carlo techniques to current topics in quantitative psychology. Students required to program selected computer-intensive statistical procedures and to perform monte carlo simulations using SAS.
- 6480 Advanced Topics in Quantitative Psychology.** Three credits. (May be repeated for a total of six credits.) Prerequisites: PSY 6280 or equivalent. Advanced topics in quantitative psychology. Focus on current topics, recent issues, and less traditional areas of quantitative psychology. Relevant computer programs.
- 6490 (649) Practicum: Quantitative Psychology.** Three credits. Prerequisites: 30 credit hours of psychology including 6050, 6210, 6280, 6290, 6460, 6560, 6580, or consent of the instructor. Supervised experience in statistical consultation for social and behavioral sciences.
- 6500 (650) Behavioral Methodology.** Three credits. Techniques for design and evaluation of clinical treatment and research. In-

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cludes single subject and group designs. Emphasis on direct observation and data collection procedures, reliability, social validity, and generalization.

- 6510 (651) Psychopathology.** Three credits. Prerequisite: PSY 3230/5230. Extensive examination of the disorders included in the current diagnostic manual. Emphasis on adult disorders. Objectives are to enhance understanding of psychopathology and to develop minimal competence in diagnosis.
- 6520 (652) Psychopharmacology.** Three credits. Biochemical, neurophysiological, and neuroanatomical basis; emphasis on drugs used in investigating and treating psychological disorders.
- 6530 (653) Psychology of Reading and Reading Development.** Three credits. Overview of the cognitive processes involved in reading. The structure of both oral and written language; cognitive mechanisms in reading; language development and the acquisition of reading skills; developmental and acquired disorders of language and reading.
- 6540 (681C) Internship: Counseling and Clinical Psychology.** Two to ten credits; may be repeated. Prerequisites: Permission of program coordinator in Clinical Psychology or School Counseling. Minimum of 128 supervised internship hours in a counseling or clinical institution. Liability insurance required prior to enrollment.
- 6550 Structural Equation Modeling.** Three credits. Prerequisites: PSY 6280 and 6290 or equivalent. Structural equation modeling. Review of correlation, multiple regression and path analysis. Conceptual review of measurement models. Model specification, estimation, goodness of fit, and power of structural equation models. Relevant computer programs.
- 6560 (656) Computer-Based Statistical Packages.** Three credits. Prerequisite: PSY 3020 or equivalent. History, principles, and skills of data analysis, using major statistical packages. Commands in both DATA and PROC steps. Other features including various functions, graphics, full screen process (FSP), and interactive matrix language (IML).
- 6570 (657) Psychological Research Methods in Human Resource Management.** Three credits. Prerequisite: PSY 6280 or permission of instructor. Theory and appropriate methodology for conducting research relevant to human resource practices in organizations. Applied psychometric theory and quasi-experimental design.
- 6580 (658) Multivariate Data Analysis.** Three credits. Prerequisites: PSY 6280 and 6290 or equivalent. Surveys each of the major multivariate data analysis techniques, with main focus on their application. Nature, power, procedure, computer programming, interpretation, and limitations of each.
- 6610 (661) Introduction to Educational and Psychological Research.** Three credits. Prerequisites: PSY 3020 and 4260/5260 or 6050. Research in education and psychology, research strategies, research ethics, research writing and reporting. Planning, implementing, and writing an approved scholarly research proposal.
- 6620 (662) Independent Study: Industrial/Organizational Psychology.** One to three credits. Prerequisite: Permission of instructor. Individualized library or empirical research project approved by instructor. A maximum of three credits will apply to a masters degree.
- 6640 (664) Thesis Research.** One to six credits. Selection of a research problem, review of pertinent literature, collection and analysis of data, and composition of thesis. Once enrolled, student should register for at least one credit hour of master's research each semester until completion. S/U grading.
- 6690 (669) Professional Issues and Roles.** Three credits. Systematic survey of ethical practice requirements, certification, and licensure for psychological practice. Examination of critical issues facing psychology and roles of psychologists.
- 6710 (671) Community Psychology.** Three credits. Prerequisite: PSY 6890. Ecological and environmental influences on behavior. Action research, program evaluation, prevention, and health promotion/competence as community interventions examined, and beginning competencies developed. Field experiences included.
- 6750 (675) Psychology and Assessment of Learning Disabilities.** Three credits. Prerequisites: PSY 5260 or 6050 and 6100; prerequisite/corequisite: PSY 6760. Biological bases. Levels and skills of intervention and consultation for learning-disabled children, including reference to family, school, and community as sources of understanding and treatment. The disabilities, assessment, tools, results, and interventions. Liability insurance required prior to enrollment.
- 6760 (675L) Educational Assessment.** One credit. Prerequisite: PSY 6100. Skills in conducting educational assessment for completing evaluations of children suspected of having learning disabilities.
- 6770 (677) Assessment and Therapeutic Interventions for Children's Emotional Problems.** Three credits. Prerequisites: PSY 6100 and either 5250 or 6400. Personality and behavioral assessment with children. Linking assessment and diagnosis to therapeutic intervention. Developing therapeutic relationships with children.
- 6780 (678) Clinical Neuropsychology.** Three credits. Prerequisites: PSY 5780, 6100, and 6250 or consent of instructor. Review of human neuroanatomy and neurophysiology. Administration of representative neuropsychological test batteries, especially the Halstead-Reitan Neuropsychological Test Battery. Applied experience with clinical population. Liability insurance required prior to enrollment.
- 6800 (680) Techniques of Psychotherapy.** Three credits. Psychotherapeutic techniques common to most, if not all, theoretical orientations: rapport building, goal setting, management of dangerous clients, etc.
- 6820 (682) Family Therapy: Evaluation and Treatment Planning.** Three credits. Examination of evaluation and intervention procedures of major models of family therapy. Emphasis on ethical issues for practitioners of family therapy.
- 6830 (683) Techniques of Family Therapy.** Three credits. Techniques common to most models of family therapy. Application of techniques to specific types of family problems. Liability insurance required prior to enrollment.
- 6840 (684) Individual Psychotherapy.** Three credits. Prerequisite: PSY 6800. Intensive presentation of theory and methods used in psychotherapy. Application of various psychotherapeutic procedures.
- 6850 (686A) Field Practicum (Clinical).** Three credits. Prerequisites: Admission to the clinical program or permission of the instruc-

tor; 24 hours including PSY 6010, 6100, 6250, 6510, 6690, 6800, and 6840. Supervised clinical training in a community mental health agency. Supervision by a licensed psychologist at the agency. 300 clock hours for 3 credit hours. Liability insurance required prior to enrollment.

6860 (686B) Field Practicum (Clinical). Three credits. Prerequisite: PSY 6850. Must be taken in semester immediately following 6850. Continuation of supervised clinical training in a community mental health agency. Supervision by a licensed psychologist at the agency. 300 clock hours for 3 credit hours. Liability insurance required prior to enrollment.

6870 (686 C-F) Field Practicum (Clinical). Three credits each. Prerequisites: Admission to the clinical program or permission of the instructor; 24 hours including PSY 6510, 6100, 6250, 6010, 6800, 6840, and 6690. Supervised clinical training in a community mental health agency. Supervision by a licensed psychologist at the agency. 300 clock hours for 3 credit hours. Liability insurance required prior to enrollment.

6890 (689) Consultation. Three credits. Prerequisite: PSY 6270 or 6010 or 6080 or permission of instructor. Course must be taken prior to or concurrent with the first internship (6920 or 6930). Theory and practice of consultation as a useful technique in the helping professions. Applied experiences in schools and other settings.

6900 (690-699) Assessment of School Counseling Area Licensing Competencies. One to two credits. For the advanced student who by exceptional prior training or experience believes course work for competence mastery is unnecessary in one or more of the licensing areas. All credit earned may be applied to a Master of Education degree in Psychology. May be repeated ten times.

6920 (681D) Internship: Secondary School Counseling. One to six credits. Prerequisite: PSY 6270. Actual experience in the counseling, consulting, coordinating services to adolescents, teachers, and parents. Requires 300 hours in the schools, with at least 40 percent in direct service. Liability insurance required prior to enrollment.

6930 (681E) Internship: Elementary School Counseling. One to six credits. Prerequisite: PSY 6270. Actual experience in the school (grades K-8) providing counseling, consulting, coordinating services to children, teachers, and parents. Requires 300 hours in the schools, with at least 40 percent in direct service. Liability insurance required prior to enrollment.

6960 (681B) Internship: School Psychology. Two to ten credits; may be repeated. Prerequisites: 30 semester hours of psychology including 6060, 6100, 6140, and 6770; approved thesis proposal. Minimum of 720 hours supervised internship, at least half in a school system. Not acceptable as Ed.S. internship. Liability insurance required prior to enrollment.

6970- (688 A-G) Independent Study in School Psychology. One credit each. Competencies-oriented individualized study.

6970 (688A) Learning

6980 (688G) Fieldwork. Competencies-oriented field experience. Forty-five hours of work as a school psychologist in training. Course may be repeated up to three times for credit.

6990 (688C) Assessment and Consultation

Independent Research in Psychology. One to three credits per semester; may be taken more than once. Prerequisite: Permission of instructor. Individualized empirical research and library research approved by the instructor.

6310 (659B) Industrial/Organizational (1-3 credits applicable to degree)

6390 (659C) Clinical (1-3 credits applicable to degree)

6600 (659A) General/Experimental (1-9 credits applicable to degree)

6910 (659D) Counseling (1-3 credits applicable to degree)

6940 (659E) School (1-3 credits applicable to degree)

Literature Review and Reading in Psychology. One to three credits. Supervised literature review and/or readings on a topic of current importance in psychology. Topics and requirements obtained from individual faculty members. Specific courses may be repeated to a total of 6 credits.

6300 (663B) Industrial/Organizational

6590 (663A) General/Experimental

6630 (663C) Clinical

6660 (663F) Quantitative

6670 (663G) Behavioral Neuroscience

6680 (663H) Cognitive

6700 (663I) Developmental

6720 (663J) Learning

6730 (663K) Personality

6740 (663L) Reading

6790 (663M) Sensation and Perception

6810 (663N) Social

6950 (663E) School

7010 (701F) General Psychology Seminar: Physiological. One credit. A review of the structure, function, and influence on behavior of the basic physiological systems of the human.

7080 (708) Practicum: Advanced Interventions with Children. Three credits. Prerequisite: PSY 6080. Theoretical and practical issues related to school interventions with children exhibiting psychological and behavior problems. Advanced skills development in consultation with parents and teachers, psychotherapy with children, and brief, short-term family therapy.

7100 (710) Multicultural and Social Bases for Assessment and Intervention Practices. Three credits. Prerequisite: PSY 6140 or PSY 6270. Theoretical and practical issues related to appropriate practices in assessment, diagnosis, and therapeutic interventions for youth of diverse ethnic and cultural groups.

7350 (735) Advanced Social Psychology. Three credits. Advanced content including cognizance of current journals and readings.

7520 (752) Assessment and Treatment of Addictions. Three credits. Systematic analysis of the additional phenomena with particular emphasis on dynamics and behavioral manifestations. Alcohol, street and prescription drugs, gambling, TV, religion, politics, and sex as aberrational forms of altering consciousness explored. Causation, clinical diagnostics, and treatment procedures as well as prevention are addressed in detail.

7810 (781B) Advanced Internship: School Psychology. Three to six credits (may be repeated; enrollment must be continuous). Prerequisites: 60 semester hours of psychology and M.A. degree; PSY 6060, 6100, 6140, and 6770. Minimum of 1200 hours supervised internship, at least half in a public school system. Liability insurance required prior to enrollment.