*BVI 580 INTRODUCTION TO VISUAL IMPAIRMENTS. (3)
This course will provide an introduction to the educational programs and services for students with blindness and visual impairments. Content of this course will focus on the historical foundation of the field, the developmental and psychosocial aspects of individuals with visual impairments, an overview of legislation, influential agencies, and service delivery methods. The impact of vision loss on early childhood development will also be covered. Prereq: Admission to the Teacher Preparation Program in Visual Impairments, Orientation and Mobility program, or instructor permission required.

*BVI 582 ANATOMY AND PHYSIOLOGY OF THE EYE. (3)
This course will cover the anatomy and physiology of the eye, including visual development. Causes of ocular and neurological visual impairment will be addressed, treatments, and their impact on learning. Course topics will include optics, low vision devices and services, environmental adaptations, and interpreting eye reports. Learners will have the opportunity to directly observe a low vision evaluation and will learn the components of a functional vision assessment. Prereq: Admission to the Teacher Preparation Program in Visual Impairments, Orientation and Mobility program, or instructor permission required.

*BVI 583 BRAILLE CODES I. (3)
This course is designed to teach the literary braille code. Students will become proficient in transcribing both uncontracted and contracted braille utilizing a Perkins Brailler, slate and stylus, and six-key entry computer software with proper formatting. Students will also learn appropriate techniques for reading braille both tactually and visually. In addition, the history of the braille code will be covered as well as current resources. Prereq: Admission to the Teacher Preparation Program in Visual Impairments, Orientation and Mobility program, or instructor permission.

#BVI 611 TEACHING METHODS FOR STUDENTS WITH VISUAL IMPAIRMENTS. (3)
This course is designed to examine how to teach and modify the core curriculum for students who are blind or visually impaired. Topics will include: adaptation of general education classroom materials, IEP development and implementation, lesson planning, and braille literacy. Prospective teachers will develop organization skills and strategies necessary to be efficient in delivery of services as a teacher of the visually impaired. Prereq: Successful completion of BVI 580, Admission to the Teacher Preparation Program in Visual Impairments, or instructor permission.

#BVI 614 BRAILLE CODES II. (3)
This course studies advanced braille codes with a special emphasis on braille mathematics utilizing Unified English Braille (UEB) and the Nemeth Code. Other codes covered are music and foreign language (French, German, and Spanish). Braille formats will also be taught, including how to correctly transcribe and format materials for braille users, including preparing worksheets and tests for students. Competency in using the Crammer Abacus will also be mastered. Prereq: Successful completion of BVI 583 (Braille Codes I) or proof of competency in literary braille along with admission to the Teacher Preparation Program in Visual Impairments, or instructor permission.

#BVI 615 ASSISTIVE TECHNOLOGY FOR STUDENTS WITH VISUAL IMPAIRMENTS. (3)
This course introduces a wide variety of technologies for people who are blind or visually impaired. Students will learn about Universal Design for Learning (UDL) as it relates to technology, as well as proprietary software and hardware. Technologies covered include, but are not limited to: Screen readers, screen magnification, electronic note takers, refreshable braille displays, braille translation programs, magnification hardware, scanning and OCR programs, and accessible digital book options. A wide variety of computers, tablets, and smart phone options will be explored. Instructional strategies for teaching technology skills will be emphasized. Prereq: Admission to the Teacher Preparation Program in Visual Impairments or instructor permission.

#BVI 616 EXPANDED CORE CURRICULUM FOR BLIND AND VISUALLY IMPAIRED. (3)
The Expanded Core Curriculum (ECC) is the body of knowledge and skills that are needed by students with visual impairments due to their unique needs. This course will explore all nine areas of the ECC including: compensatory or functional academic skills, orientation and mobility, social interaction skills, independent living skills, recreation and leisure skills, career education, use of assistive technology, sensory efficiency skills and self-determination. Participants will have the opportunity to observe and work with students in a summer program and teach skills from the ECC. Prereq: Admission to the Teacher Preparation Program in Visual Impairments or instructor permission.
#BVI 617 VISUAL IMPAIRMENTS AND MULTIPLE DISABILITIES. (3)
This course is designed to provide students with knowledge and skills necessary to design and implement programs for persons who have visual impairments and additional disabilities. Topics include assistive technology, augmentative and alternative communication, literacy instruction, sensory processing, adaptive behavior, and self-help skills. An emphasis will be placed on adaptations that enhance functioning for persons with developmental delays, autism, medical conditions, deaf-blindness, communication disorders, and those with common syndromes and eye disorders related to multiple disabilities. Prereq: Admission to the Teacher Preparation Program in Visual Impairments or instructor permission.

#BVI 618 ASSESSMENT OF STUDENTS WITH VISUAL IMPAIRMENTS. (3)
This course covers various types of assessments used to evaluate students who are blind or visually impaired. Participants will discuss testing and assessment including the development of standardized tests and their applicability for individuals with visual impairments, as well as alternate assessments. Students will practice assessing and planning educational programs for students with visual impairments by completing a Functional Vision/Learning Media Assessment, as well as assessments in assistive technology and the Expanded Core Curriculum. Prereq: Admission to the Teacher Preparation Program in Visual Impairments or instructor permission.

#BVI 620 FOUNDATIONS OF ORIENTATION AND MOBILITY. (3)
A fundamental course in the history and development of Orientation & Mobility programs, educational and rehabilitation models, and mobility systems. Philosophies, practices, standards, and ethics of O&M will be also discussed. Prereq: Admission to the Orientation and Mobility Program or instructor permission is required.

#BVI 622 ADVANCED SKILLS AND TECHNIQUES IN ORIENTATION AND MOBILITY. (2)
The course will focus on advanced skills and techniques used by individuals with visual impairments for independent travel in business and complex environments. Students will have practical experience in the use of the long cane and travel under blindfold and vision loss simulators. Students will gain experience in planning lessons and teaching skills to each other under instructor supervision. Prereq: Admission to the Orientation and Mobility program and instructor permission.

#BVI 623 ORIENTATION AND MOBILITY FOR CHILDREN. (3)
The course will address the impact and effects of a visual impairment on the overall development of children with visual impairments. Course topics will include information on locomotion, concept development, O&M skill acquisition and performance for children with visual impairments. Instructional methods, strategies, and materials for teaching Orientation & Mobility concepts and skills will also be covered. Prereq: Admission to the Orientation and Mobility program and instructor permission.

#BVI 624 TECHNOLOGY IN ORIENTATION AND MOBILITY. (1)
The course will be an introduction to the use of electronic travel aids and electronic orientation aids as a secondary mobility system for individuals with visual impairments. The advantages and disadvantages of using electronic travel devices will be identified along with instructional strategies to incorporate the use into lessons. There will be hands-on experience with using electronic devices with an emphasis on the use of cellphone applications. Prereq: Admission to the Orientation and Mobility Program or instructor permission is required.

#BVI 626 METHODS IN ORIENTATION AND MOBILITY. (3)
The course will address a variety of topics, strategies, and approaches related to Orientation and Mobility instruction for individuals with visual impairments. Content will focus on adult rehabilitation, low vision, and low vision devices, mobility systems, echolocation, and Flash Sonar. The course content will also include instructional approaches used to assessing environments, teach complex travel environments and intersections, adapt for adverse weather conditions, and use various transportation systems. Prereq: Admission to the Orientation and Mobility program and instructor permission.

#BVI 627 ORIENTATION AND MOBILITY FOR INDIVIDUALS WITH COMPLEX NEEDS. (3)
The course will discuss the impact and effects of health conditions and other disabilities among individuals with visual impairments on concept development, learning, and skill acquisition on O&M. Course content will discuss the roles of professionals in addressing complex needs of individuals with visual impairments and deaf-blindness. It will focus on instructional methods and strategies to address complex needs in an educational and rehabilitation setting. Prereq: Admission to the Orientation and Mobility program and instructor permission.
#BVI 628 ASSESSMENT IN ORIENTATION AND MOBILITY. (3)
The course will address strategies and methods for evaluating an individual with a visual impairment and assessing an individual’s progress in Orientation and Mobility. Learners also will analyze assessment results to develop and implement appropriate O&M goals and objectives. Other content will include the strategies to select and analyze environments for safety, instruction, and assessment. Prereq: Admission to the Orientation and Mobility program and instructor permission.

#BVI 629 PRACTICUM IN ORIENTATION AND MOBILITY. (1)
The practicum in Orientation and Mobility will consist of supervised, field-based experience in various settings ranging from preschool, school-based, adult rehabilitation, and geriatric settings. Site approval is required by the program coordinator. Prereq: Instructor permission.

#BVI 650 SPECIAL TOPICS IN BLINDNESS AND VISUAL IMPAIRMENTS. (1-9)
In-depth study of a current and topical problem or issue in the area of blindness and visual impairment. A title is assigned each time the course is offered. Prereq: Admission to the Teacher Preparation Program in Visual Impairments, Orientation and Mobility program, or instructor permission.

#BVI 710 STUDENT TEACHING/FIELD EXPERIENCE IN VISUAL IMPAIRMENTS. (3-12)
This is a supervised student teaching/field experience working with children, preschool through graduation age, who are blind or visually impaired. Candidates will apply best practices for working with children who are blind or have low vision, including those with additional disabilities. Successful completion of this course will demonstrate the candidate’s ability to apply methods of teaching that include assessment, program planning and implementation, appropriate environmental and academic modifications, and instruction in the Expanded Core Curriculum. Candidates will also have to demonstrate appropriate classroom and/or caseload management strategies based on their placement. Prereq: Admission to the Teacher Preparation Program in Visual Impairments and approval by the Visual Impairment Program Faculty Chair.

#BVI 720 INTERNSHIP IN ORIENTATION AND MOBILITY. (1-6)
Supervised professional experience for candidates in Orientation & Mobility will be offered in an educational or rehabilitation setting serving individuals with visual impairments. A minimum of 350 hours is required. This may be completed either on a full-time or part-time basis. Prereq: Completion of Orientation & Mobility coursework and instructor permission is required.