

Career and Technical Education Program

400 Hours Course Requirements

NCD 413 50-Hour Introduction to Teaching Course
Semester 1 NPTNC 1500 Classroom Management Workshop NPTNC 1645 Curriculum and Methods NPTNC 1628 Learning and Motivation
Semester 2 NPTNC 16XX Learning Environments in Career and Technical Education NPTNC 16XX Advanced Curriculum and Instruction in Career and Technical Education
Semester 3 NPTNC 1684 Integrating Curriculum & Instruction: Including Diverse Populations NPTNC 1616 Innovations in Teaching
Semester 4 NPTNC 1693 Educational Assessment NPTNC 1672 Internship Seminar

Preprofessional 50-hour Course

NCD 413 Introduction to Teaching (50 hours): This course is comprised of 30 hours of instruction, 8 hours of classroom observation, and 12 hours of clinical experience. Topics covered include the INTASC Standards: Learner development, diverse learners, instructional strategies, individual and group motivation, creating positive learning environments, communication techniques, lesson planning, informal and formal assessments, professional responsibilities and relationships, and reflection for growth and improvement.

Semester 1

NPTNC 1500 Classroom Management (15 hours): This course improves and evaluates students' ability to create a learning environment which encourages both individual and group learning and conflict resolution among peers. It provides opportunities to role-play and analyze teaching decisions meant to prevent classroom disruptions, encourage student interest, make positive the experience of diversity in the classroom, and diffuse crises.

NPTNC 1645 Curriculum and Methods (45 hours): This course focuses on organization and presentation of subject matter including instructional planning, teaching methods, curriculum development, evaluation, selection of instructional materials, and the appropriate use of textbooks and teacher's guides. The course familiarizes students with national and New Jersey Curriculum Standards. Unit plans, lesson plans, and materials for classroom use are developed, integrating subject areas across disciplines, by use of thematic units, group activities, etc.

NPTNC 1628 Learning and Motivation (45 hours): This course focuses on theories of learning and cognitive development. It offers the best available knowledge on the classic and contemporary theories, principles, and concepts about learning—how it occurs, why it may fail, and how it can succeed. Self-regulation and the most effective means of motivating learning are emphasized. Students apply this knowledge through role-playing classroom scenarios, case study analyses, and problem-based learning. An understanding of the learner's culture, abilities, learning style, and individual needs is applied to classroom scenarios as a means of developing a healthy learning environment.

Semester 2

NPTNC 16XX Learning Environments in Career and Technical Education (45 hours). This course provides an in-depth focus on school learning environments and structured learning experiences, including experiential, supervised educational activities designed to provide students with exposure to the requirements and responsibilities of specific job titles or job groups, and to assist them in gaining employment skills and making career and educational decisions. This course also builds on NPTNC 1500 to address classroom management issues specific to career and technical education and includes modules on professional responsibilities.

NPTNC 16XX Advanced Curriculum and Instruction in Career and Technical Education (45 hours): This course builds on NPTNC 1645 Curriculum and Methods to engage Candidates in planning and implementing instruction specific to career and technical education. Topics include developing learning sequences, understanding student needs and motivation, meeting state guidelines and standards, integrating literacy and communicate skills, addressing technical knowledge and employment skills, and assessing student learning. Included is also knowledge, skills, and dispositions related to working with students with disabilities in the classroom and other school

Semester 3

NPTNC 1684 Integrating Curriculum and Instruction: Including Diverse Populations (45 hours): This course focuses on teaching diverse populations (e.g. special education students, Section 504 students, ESL students) in inclusive elementary school settings. Students are familiarized with the characteristics and educational needs of diverse students, federal and state legislation and litigation, modification of curriculum methods, materials assessment, classroom behavior, and the classroom environment for individuals with special needs. Home, school, and community relationships are examined. The course addresses the knowledge base and the

interpersonal skills necessary for collaboration among general educators, special educators, staff members and parents. Students apply their knowledge of learning and technology to design, manage, and facilitate a student-centered, multidimensional learning environment.

NPTNC 1616 Innovations in Teaching (45 hours): This course will provide teachers with information and experiences that will help them to develop lessons and teach effectively in diverse secondary (7-12) classrooms. The course will focus on unique secondary needs including understanding standards and content, cooperative and small group instruction, formative assessment, legal concerns, diverse learners and professional development. Candidates choose special topics related to their area of teaching to explore in depth. This course is designed for New Pathways' teachers in their second year of the program.

Semester 4

NPTNC 1693 Educational Assessment (45 hours): This course provides an overview of the multidimensional nature of measurement and evaluation in education. It focuses on the construction and implementation of various tools for formal and informal assessment. Students develop their questioning techniques, tests, and other forms of content assessment. The consequences of poor assessment are identified along with strategies for obtaining valid and reliable assessment for sound classroom decision making.

NPTNC 1672 Internship Seminar (20 hours): This seminar will help candidates reflect on and improve three dimensions of their teaching: Planning, Instruction, and Assessment. Teacher candidates will develop a portfolio that includes a lesson unit of three to five lesson plans, authentic artifacts from their teaching experience, supporting audio-visual examples of their instruction, and comprehensive well-written commentaries throughout that provide support and rationale based on the learning strengths and needs of their students. This portfolio can be submitted for edTPA State Performance Assessment if required.