

## **CTE Initial / Professional Coursework Suggestions**

Courses that have been accepted in the past to fulfill the minimal coursework requirements for most CTE titles are listed below. Please note that your application will bypass the college certification office and be processed by NYSED's Office of Teaching Initiatives (OTI). ***Buffalo State cannot guarantee the acceptability of specific coursework toward specific requirements***; however, the coursework we suggest has been accepted in the past. You will want to verify continued acceptability with OTI. Requirements are subject to change at any time and without notice.

### **Initial Certification**

Pedagogical Core - 9 S.H.

College Coursework - Human Development and Learning

(SPF 303 / SPF 503)

College Coursework - Teaching Students with Disabilities & Special Health-Care Needs

(CTE 421 / TED 521)

College Coursework - Curriculum and Instruction

(CTE 302 / BME 602)

### **Professional Certification**

Additional Pedagogy - 9 S.H.

College Coursework - Instruction and/or Assessment

(CTE 404 / CTE 536)

College Coursework - Teaching Literacy Skills Methods - 3 S.H.

(EDU 416 / EDU 609)

College Coursework - Classroom Management

(CTE 306 / TED 507)

## **Undergraduate / Graduate Equivalents (Course Descriptions)**

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### **SPF 303 EDUCATIONAL PSYCHOLOGY: MIDDLE AND SECONDARY EDUCATION**

3, 3/0

Prerequisites: upper-division status. Psychological principles underlying learning and effective teaching. The effect of social and personality factors on learning, assessment, and evaluation of individual progress. Diagnosis of difficulties in learning, discipline, programming, and planning as related to instruction. Directed observation. Offered Every Semester.

Equivalent Course: SPF 303W

### **SPF 503 EDUCATION PSYCHOLOGY**

3, 3/0

Psychological theories and principles of teaching and learning and their application to the classroom; effects of student and classroom characteristics on effective instruction; utilization and interpretation of assessments of learning.

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### **CTE 421 CAREER AND TECHNICAL EDUCATION FOR STUDENTS WITH SPECIAL NEEDS**

3, 3/0

Planning, coordinating, and delivering programs for individuals with special needs found in secondary and postsecondary schools, rehabilitation centers, and correctional facilities. Development of methods and techniques for teaching and assessing the work potential of individuals with special needs. Development of self-help devices/adaptive equipment. Identifying instructional resources. Offered every semester.

### **TED 521 OCCUPATIONAL AND PRACTICAL ARTS EDUCATION FOR STUDENTS WITH SPECIAL NEEDS**

3, 3/0

Prerequisite: Technology education, career and technical education, or exceptional education program major or instructor permission. Nature and needs of individuals with disabilities and the disadvantaged enrolled in occupational and practical arts education; curriculum development; evaluating work potential; identifying instructional resources and teaching methods and techniques; interpreting research; identifying the function of available vocational rehabilitation and occupational and practical arts education programs.

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### **CTE 302 CURRICULUM AND EVALUATION IN CAREER AND TECHNICAL EDUCATION**

3, 3/0; WIIF

Introduction to the curriculum and evaluation in business/marketing and technology education. State curriculum and standards, lesson planning, student learning, and curriculum evaluation. Offered every semester.

### **BME 602 CURRICULUM DEVELOPMENT AND PLANNING IN BUSINESS AND MARKETING EDUCATION**

3, 3/0

Prerequisite: Teacher certification in an education discipline. Historical developments and changing concepts of curriculum; principles of curricula development; components of the curriculum-development process; dimensions of curriculum design systems; purposes and problems of curriculum evaluation. Required for all, BUS, CTE, and TED students.

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### CTE 404 METHODS OF TEACHING CAREER AND TECHNICAL SUBJECTS

3, 3/0

Prerequisites: BME/CTE/FCS 301 and BME/CTE/FCS 302. Basic principles and methods of teaching business and marketing subjects. Prepares the student to effectively teach subjects in this area. Offered every semester.

### CTE 536 CONTEMPORARY METHODOLOGY

3, 3/0

New and emerging techniques of instruction and their applications to specific individual problems; development of models appropriate to students' particular subject areas.

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### EDU 416 TEACHING LITERACY IN MIDDLE AND SECONDARY SCHOOLS

3, 3/0

Prerequisites: Majors, upper division status. Special problems in reading encountered in middle and secondary schools. Includes the reading process, reading skills, and techniques for assessing developing reading skills. Special emphasis on critical reading in content areas. Offered every semester.

### EDU 609 LITERACY INSTRUCTION IN THE UPPER GRADES

3, 3/0

Prerequisites: Graduate standing. Practical strategies to help middle and secondary-level students successfully use reading in their content area studies; the reading process; student motivation; developing vocabulary, comprehension, study, and writing skills; evaluation and assessment. Emphasizes using the topics of the disciplines as the departure point for designing instructional strategies, and materials.

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### CTE 306 CLASSROOM/LABORATORY MANAGEMENT

3, 3/0

Organizational factors that influence the success of career-technical education teachers. Includes facility planning, redesign, and managerial phases of the career-technical teacher's responsibilities. Offered fall only.

### TED 507 TECHNOLOGY EDUCATION FACILITY PLANNING AND MANAGEMENT

3, 3/0

Problems involved in planning new technology education facilities or remodeling of existing laboratories; concepts in relationship of objectives to facilities; space allocation, area development, and organization; service requirement; criteria for selection and placement of equipment; analyzing available equipment and writing specifications; critique of an existing technology education laboratory

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