New York City College of Technology, CUNY

CURRICULUM MODIFICATION PROPOSAL FORM

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| **Title of Proposal** | **Minor Career & Technology Teacher Education Curriculum Modification** |
| **Date** | **2/23/2017** |
| **Major or Minor** | **Minor** |
| **Proposer’s Name** | **Wm. Edward Roberts** |
| **Department** | **Career & Technology Teacher Education** |
| **Date of Departmental Meeting in which proposal was approved** | **2/23/2017** |
| **Department Chair Name** | **Dr. Wm. Edward Roberts** |
| **Department Chair Signature and Date** | **Edward Roberts Signature_Page_12017-02-23** |
| **Academic Dean Name** | **Dr. David Smith** |
| **Academic Dean Signature and Date** | **2017-02-23** |
| **Brief Description of Proposal**  (Describe the modifications contained within this proposal in a succinct summary. More detailed content will be provided in the proposal body. | **We propose to move EDU-2455 to the core requirement, and moving EDU-3650 to an elective. This will align our courses to the NYSED regulations requirement of a special needs course in our core curriculum.** |
| **Brief Rationale for Proposal**  (Provide a concise summary of why this proposed change is important to the department. More detailed content will be provided in the proposal body). | **This implements course changes made and matches the degree requirements required by the NYSED regulations requirement of a special needs course in our core curriculum.** |
| **Proposal History**  (Please provide history of this proposal: is this a resubmission? An updated version? This may most easily be expressed as a list). | **This is a new request for a minor change.** |

**ALL PROPOSAL CHECK LIST**

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| Completed CURRICULUM MODIFICATION FORM including: |  |
| * Brief description of proposal | X |
| * Rationale for proposal | X |
| * Date of department meeting approving the modification | X |
| * Chair’s Signature | X |
| * Dean’s Signature | X |
| Evidence of consultation with affected departments  List of the programs that use this course as required or elective, and courses that use this as a prerequisite. | N/A |
| Documentation of Advisory Commission views (if applicable). | N/A |
| Completed [Chancellor’s Report Form](http://openlab.citytech.cuny.edu/collegecouncil/files/2014/08/2013-10-09-Chancellor_Report_Quick_Reference_Guide1.doc). | X |

**EXISTING PROGRAM MODIFICATION PROPOSALS**

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| Documentation indicating core curriculum requirements have been met for new programs/options or program changes. | N/A |
| Detailed rationale for each modification (this includes minor modifications) | X |

**Section AIII: Changes in Degree Programs**

**AIII.1. The following revisions are proposed for the Career and Technical Teacher Education Department**

**Program: BSEd in Career and Technical Teacher Education**

**Program Code: 23980**

**Effective Date: Fall 2017**

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| **FROM:** | **TO:** |
| **GENERAL EDUCATION COMMON CORE (44 crs.)**  **I - Required Core1 (4 Courses, 13 credits)**  **English Composition (2 courses, 6 credits)** ENG 1101 English Composition I 3ENG 1121 English Composition II 3 **Mathematical and Quantitative Reasoning (1 course, 3 credits)**  MAT 1190 Quantitative Reasoning 3  or higher  **Life and Physical Sciences (1 course, 4 credits)** PHYS 1111 Principles of Science I **or** higher 4(one-year sequence with Scientific World class, below) **II - Flexible Core (6 courses, 19 credits)**  In addition to the required courses listed below,  select one course from each of the other three areas;  plus one additional course from any of the five areas;  no more than two courses may be selected from any discipline. 12  **World Cultures and Global Issues**  Any approved course  **US Experience in its Diversity**  Any approved course  **Individual and Society**  PSY 1101 Introduction to Psychology 3  **Creative Expression**  Any approved course  **Scientific World**  PHYS 1112 Principles of Science II or higher  (one year sequence with Life and Physical Science, above) 4  **III - College Option Requirement2 (12 credits)**  One course in Speech/Oral Communication  COM1330 Public Speaking or higher 3  One interdisciplinary Liberal Arts and Sciences course  (any approved course) 3  Two additional liberal arts courses to reach a minimum total  of 42 credits in general education. In meeting their general education requirements overall,  students must take at least one advanced liberal arts course  or two sequential courses in a foreign language 6  **Writing Intensive Requirement**  Students at New York City College of Technology must complete two courses designated WI for the associate level, one from GenEd and one from the major; and two additional courses designated WI for the baccalaureate level, one from GenEd and one from the major.  **Program-Specific Degree Requirements (61 credits)**  **Pedagogical Core (31 credits)**  EDU 2510 Orientation to Career and  Technical Education 3  EDU 2520 Occupational Analysis and  Curriculum Organization 3  EDU 2354 Laboratory Organization and  Management of Instruction 2  EDU 2362 Methods of Teaching in Career and  Technology Education 3  EDU 3630 Assessing Student Learning Outcomes 3  EDU 3640 Computers in Education 3  ~~EDU 3650 Mainstreaming in Career and~~  ~~Technology Education 3~~  EDU 3670 Methods of Literacy Instruction 3  EDU 3681 Internship in Career and Technical Teacher  Education 2  EDU 4600 Professional Development Seminar 2  EDU 4871 Supervised Student Teaching in  Career and Technology Education 4  **Content Core (30 credits)**  EDU 3700 Practicum in Occupational  Competency: Performance 15  EDU 3720 Practicum in Occupational  Competency: Written 15  **Program-specific Liberal Arts and Sciences Requirements**  MAT 1272 Statistics or higher 3  PSY 2501/EDU 2610 Child and Adolescent Development 3  PSY 3502/EDU 3610 Human Learning and Instruction 3  SOC 2401 Society, Technology and Self 3  ARB, ASL, CHN, FREN, or SPA (Intermediate) 3 3  LIB 1201 Research and Documentation in the  Information Age 3  **Total program-specific required and elective courses 61**  **Total NYSED Liberal Arts/Science credits 62**  **TOTAL CREDITS REQUIRED FOR THE DEGREE 123**  **1 This program has received a waiver to require particular courses in the Common Core. Students who do not take these courses to meet their GenEd requirements may not be able to complete the degree program within the regular number of credits.**  **2 Complete lists of liberal arts and sciences courses and advanced liberal arts courses, as well as semester-specific lists of interdisciplinary courses and writing intensive courses, are available online at the City Tech Pathways website.**  **3 Students can choose to take introductory language courses to satisfy some areas in the Flexible Core/College Option areas. Those who do not may need 3-6 additional hours to complete the degree program.** | **GENERAL EDUCATION COMMON CORE (44 crs.)**  **I - Required Core1 (4 Courses, 13 credits)**  **English Composition (2 courses, 6 credits)** ENG 1101 English Composition I 3ENG 1121 English Composition II 3 **Mathematical and Quantitative Reasoning (1 course, 3 credits)**  MAT 1190 Quantitative Reasoning 3  or higher  **Life and Physical Sciences (1 course, 4 credits)** PHYS 1111 Principles of Science I **or** higher 4(one-year sequence with Scientific World class, below) **II - Flexible Core (6 courses, 19 credits)**  In addition to the required courses listed below,  select one course from each of the other three areas;  plus one additional course from any of the five areas;  no more than two courses may be selected from any discipline. 12  **World Cultures and Global Issues**  Any approved course  **US Experience in its Diversity**  Any approved course  **Individual and Society**  PSY 1101 Introduction to Psychology 3  **Creative Expression**  Any approved course  **Scientific World**  PHYS 1112 Principles of Science II or higher  (one year sequence with Life and Physical Science, above) 4  **III - College Option Requirement2 (12 credits)**  One course in Speech/Oral Communication  COM1330 Public Speaking or higher 3  One interdisciplinary Liberal Arts and Sciences course  (any approved course) 3  Two additional liberal arts courses to reach a minimum total  of 42 credits in general education. 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Students who do not take these courses to meet their GenEd requirements may not be able to complete the degree program within the regular number of credits.**  **2 Complete lists of liberal arts and sciences courses and advanced liberal arts courses, as well as semester-specific lists of interdisciplinary courses and writing intensive courses, are available online at the City Tech Pathways website.**  **3 Students can choose to take introductory language courses to satisfy some areas in the Flexible Core/College Option areas. Those who do not may need 3-6 additional hours to complete the degree program.** |

**Rationale:** This implements course changes made and matches the degree requirements required by the NYSED regulations requirement of a special needs course in our core curriculum.

**Program: BSEd in Technology Teacher Education**

**Program Code: 23981**

**Effective Date: Fall 2017**

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| **FROM:** | **TO:** |
| **GENERAL EDUCATION COMMON CORE1 (45-47 crs.)**  **Required Core (13 credits)**  **I – Required Core1 (4 courses, 14-15 credits)**  **English Composition (2 courses, 6 credits)**  ENG 1101 English Composition I 3  ENG 1121 English Composition II 3  **Mathematical and Quantitative Reasoning (1 course, 4 credits)**  MAT 1275 College Algebra and Trigonometry or higher2 4  **Life and Physical Sciences (1 course, 4-5 credits)**  Select one of the following courses 4-5  PHYS 1111 Principles of Science I  PHYS 1433 General Physics I: Algebra Based  PHYS 1441 General Physics I: Calculus Based  **II – Flexible Core (6 courses, 19-20 credits)**  In addition to the required course listed below, select one course from each of the other four areas; plus, one additional course from any of the five areas; no more than two courses may be selected from any discipline. 15    **World Cultures and Global Issues**  Any Approved Course  **US Experience in its Diversity**  Any Approved Course  **Individual and Society**  Any Approved Course  **Creative Expression**  Any Approved Course  **Scientific World**  Select one of the following courses 4-5  PHYS 1112 Principles of Science II  PHYS 1434 General Physics II: Algebra Based  PHYS 1442 General Physics II: Calculus Based  One additional course from any category  **III – College Option requirement3 (12 credits)**  One course in Speech/Oral Communication  COM 1330 Public Speaking or higher 3  One interdisciplinary Liberal Arts and Sciences course (any approved course) 3  Two additional liberal arts courses to reach a minimum total of  42 credits in general education. In meeting their general education requirements overall,  students must take at least one advanced liberal arts course  or two sequential courses in a foreign language. 6  **Writing Intensive Requirement**  Students at New York City College of Technology must complete two courses designated WI for the associate level, one from GenEd and one from the major; and two additional courses designated WI for the baccalaureate level, one from GenEd and one from the major.  **Program-Specific Degree Requirements 59 Credits**  **Pedagogical Core (26 credits)**  EDU 2362 Methods of Teaching in Career and Technology  Education 3  EDU 3410 Technology Education Foundations and  Curriculum Development 3  EDU 3630 Assessing Student Learning Outcomes 3  EDU 3640 Computers in Education 3  ~~EDU 3650 Mainstreaming in Career and Technology Education 3~~  EDU 3670 Methods of Literacy Instruction 3  EDU 3681 Internship in Career & Technology Teacher Education 2  EDU 4600 Professional Development Seminar 2  EDU 4871 Supervised Student Teaching in  Career and Technology Education 4  **Content Core (33 credits)**  EDU 1400 Design and Drafting I 2  EDU 14204 Construction Systems 3  EDU 2400 Design and Drafting II 2  EDU 2410 Survey of Technological Development 3  EDU 24405 Manufacturing Systems 3  EDU 24606 Communications Systems 4  EDU 3400 Technological Systems I 3  EDU 34207 Electronic Systems 4  EDU 3440 Transportation Systems 3  EDU 4480 Principles of Engineering 3  EDU 44408 Electronic and Robotic Systems  or  CST 2403 Introductory C++ Programming Language 3  **Program-Specific Liberal Arts and Science Requirements**  MAT 1375 Precalculus9 4  PHYS 1111 Principles of Science I  or  PHYS 1433 General Physics I: Algebra Based  or  PHYS 1441 General Physics I: Calculus Based Met as GenEd  PHYS 1112 Principles of Science II  or  PHYS 1434 General Physics II: Algebra Based  or  PHYS 1442 General Physics II: Calculus Based Met as GenEd  PSY 3502/EDU 3610 Human Learning and Instruction 3  PSY 2501/EDU 2610 Child and Adolescent Development 3  SOC 2401 Society, Technology and Self 3  COM 1330 Public Speaking Met as GenEd  ARB, ASL, CHN, FREN, or SPA (Intermediate)10 3  LIB 1201 Research and Documentation  in the Information Age 3  **Total program-specific required and elective courses 59**  **Total NYSED Liberal Arts/Science credits 64-66**  **TOTAL CREDITS REQUIRED FOR THE DEGREE 123-124**  ***1 This program has received a waiver to require particular courses in the Common Core. Students who do not take these courses to meet their GenEd requirements may not be able to complete the degree program within the regular number of credits.***  ***2 Students without the requisite math background to enter MAT 1275 must take MAT 1175 in preparation; this will increase the number of required credits for the degree by 4.***  ***3 Complete lists of liberal arts and sciences courses and advanced liberal arts courses, as well as semester-specific lists of interdisciplinary courses and writing intensive courses, are available online at the City Tech Pathways website. The number of elective credits will vary depending upon students’ choices in the Core and College Option areas; choosing a higher credit-hour course may increase the number of credits to graduate by 1.***  ***4 Acceptable substitutes for EDU 1420 are CMCE 1114 and ENT 1110***  ***5 An acceptable substitute for EDU 2440 is both MECH 1101 + MECH 1201***  ***6 An acceptable substitutes for EDU 2460 is COMD 1167***  ***7 Acceptable substitutes for EDU 3420 are EET 1122, ETN 1102, or ETN 1302***  ***8 An acceptable substitute for EDU 4440 is ETN 1302.***  ***9 Students who have already satisfied this requirement may take any elective course to reach a minimum of 123 credits.***  ***10 Students can choose to take introductory language courses to satisfy some areas in the Flexible Core/College Option areas. 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