

THE COLLEGE OF NEW JERSEY
ACADEMIC EVALUATION

DEGREE REQUIREMENTS FOREARLY CHILDHOOD EDUC/Math/Science/Technology-ECST

NAME _____ SS# _____

Retain this sheet to record progress toward your degree. Eligibility for graduation requires: 1) completion of, or testing out of, courses printed below;

- 2) a minimum of 42 s.h. earned at TCNJ excluding credit by exam;
- 3) a minimum total of 128 s.h. excluding Basic Skills courses;
- 4) a cumulative Grade Point Average of 2.75;
- 5) departments may set an additional graduation/exit standard requiring a minimum grade of C- in some or all courses required in the major. See department chairperson.

A. GENERAL EDUCATION REQUIREMENTSMinimum 42-44 S.H.
(Consult 2003-2004 College Catalog or Course Schedule for acceptable courses)

I. INTELLECTUAL SKILLS 0 - 12 S.H. _____

GROUP A: ACADEMIC WRITING Required 4 S.H.
____ WRI 102 Academic Writing 4

GROUP B: MATHEMATICS Required0 - 8 S.H.
____MAT 127 Calculus A 4 ____MAT 128 Calculus B 4
____STAT 115 Statistics 3

*STAT 115 is required in place of MATH 128 for the Technology Specializations

II. INTERDISCIPLINARY CORE: UNDERSTANDING HUMANITY 6 S.H. _____

A: ATHENS TO NEW YORK _____IDSC 151 3

B: SOCIETY, ETHICS, AND TECHNOLOGY _____IDSC 252 3

III. PERSPECTIVES ON THE WORLD27 S.H. _____

[DIVERSITY DISTRIBUTIONSatisfied in A and B below]

(Recommended but not required for transfer students.)

Satisfactory completion of 1) Non-Western, Native American, Third World Culture _____, 2) Western Culture _____, and 3) Gender Studies _____.

GROUP A: NATURAL AND SOCIAL SCIENTIFIC PERSPECTIVES 15 S.H.

- 1. NATURAL SCIENCES: Completion of an approved two-course sequence.
(8 S.H. - Required) ____Science from M/S/T Core 4 ____Science from M/S/T Core 4
- 2. SOCIAL SCIENCES: Completion of one approved "Content" course and one approved "Process" course. (6 S.H.) (C) ____SPED 101 3 (P) ____SOC 101 4

GROUP B: HUMANISTIC AND ARTISTIC PERSPECTIVES 12 S.H.

- 1. FINE/PERF. ARTS ____MUSC 350 3 Req. 3. LITERATURE ____RDLA 205 3
 - 2. HISTORY _____ 3 4. PHILOSOPHY/RELIGION _____ 3.
- Must be a 200 level history from approved list. See Approved list.

B. ADDITIONAL GENERAL EDUCATION REQUIREMENTS 6 S.H. _____

TECHNOLOGY 3 S.H.

____INCD 140 Intro. to Microcomputers OR
____INCD 240 Computer Theory Instr.

____STEC 161 Creative Design 3 S.H.

Ten s.h. in the major are double counted as General Education in this category for a total of 60 s.h. in General Education.

C. SOCIAL AND BEHAVIORAL SCIENCES 10 S.H. _____

____ECED 340 Dev/Learn Young Child 4

____SOC 101 Intro to Soc 4

Double counted in III, Group A above.

Social/Behavioral course 2 s.h.

____SPED 101 Excep. Pop. in Society

Double counted in III, Group A above.

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D. MAJOR REQUIREMENTS (MST)..... 42 S.H. _____

Core*.....28 S.H.

*Students specializing in Biology, Chemistry or Physics must take General Science for their respective area of specialization (BIO 185, CHEM 201/202, or PHYS 201/202) in place of the identified "Principles" course. STAT 115 is required in place of MATH 128 for the Technology specialization. STAT 215 is the Approved Elective for the Math specialization.

- ___ MATH 127 Calculus I 3sh. (note: 6 math credits)
- ___ MATH 128 Calculus II 3sh. Are counted in group A1)
- ___ STAT 115 Statistics I or 3s.h.
- ___ BIOL 181 Principles of Biology I 4s.h. (note: 8 science credits)
- ___ BIOL 182 Principles of Biology II 4s.h are counted in A3A)
- ___ CHEM 101 Principles of Chemistry I 4s.h.
- ___ CHEM 102 Principles of Chemistry II 4s.h.
- ___ PHYS 191 College Physics I 4s.h.
- ___ PHYS 192 College Physics II 4s.h.
- ___ TSNG 171 Intro to Human Technological Behav. 3s.h.
- ___ TSNG 211 Principles of Structures & Mech. 3s.h.
- ___ STEC 374 Technological Literacy 3s.h.
- ___ M/S/T Approved Elective 3s.h.

Specialization (Select One Area from Math/Science/Technology). 14 S.H.

Biology*

*At least **three** courses for the specialization must be at the 300 level or higher

- ___ BIOL 211 Cell and Molecular Biology 4s.h. or
- ___ BIOL 261 Ecology and Field Biology 4s.h.
- ___ BIOL 321 Genetics 4s.h.

Biology Options (two courses at the 300 level or higher, 6-8s.h.)

- ___ BIOL ___ Biology Option
- ___ BIOL ___ Biology Option

Chemistry*

*All courses for this specialization must be at the 300 level or higher

- ___ CHEM 321 Organic Chemistry I 4s.h.
- ___ CHEM 322 Organic Chemistry II 4s.h.

Chemistry Options (two courses, 5 s.h. minimum)

- ___ CHEM ___ Chemistry Option
- ___ CHEM ___ Chemistry Option

Mathematics*

*At least **three** of the courses for a specialization must be at the 300 level or higher excluding MATH 342, MATH 348, and MATH 390.

- ___ MATH 200 Principles of Mathematics 3s.h.
- ___ MATH 229 Calculus III 3s.h.
- ___ MATH 301 or 305 Introduction to Abstract Algebra I 3s.h.
- ___ MATH ___ Mathematics Option 3s.h.
- ___ MATH ___ Mathematics Option 3s.h.

Physics*

*At least **three** of the courses for a specialization must be at the 300 level or higher

- ___ PHYS 311 Electrical Circuits and Electronics 4s.h.
- ___ PHYS 306 Math Physics 3s.h.
- ___ PHYS 321 Modern Physics 4s.h.

Physics Options (one advanced course)

Technology*

*At least **three** of the courses for a specialization must be at the 300 level or higher

- ___ TSNG 201 Energy Systems in Contemporary Soc. 3s.h.
- ___ TSNG 261 Technological Design I 3s.h.
- ___ TSNG ___ Technology Option 3s.h.
- ___ TSNG ___ Technology Option 3s.h.
- ___ TSNG ___ Technology Option 3s.h.

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E. PROFESSIONAL EDUCATION..... 31 S.H. _____

(1. Pre-Junior Professional Experience

___ ECED 105 Intro Early Childhood 1 ___ ELEM 206 Guid. Learn. Young Child 2

(2. Junior Professional Experience(to be taken as a block)

___ ECED 314 Obsev. & Partic. 5 ___ MATH 342 Tchng Math El. Gr. 1

___ ECED 319 Soc Studies & Science: ECE 3 ___ PHED 496 Surv. Tch HPE & Saf. El. 1

___ RDLG 316 Rdg. & Lang. Exp Yng Child 3 ___ ELEM 497 Selected Topics (Sr. Project) 1

___ ECED 491 Creative Lrng Exp Yng Child 2

(3. Senior Professional Experience (to be taken as a block)

___ ECED 489 Student Teaching - El. Sc. 10 ___ RDLG 422 Diagnosis of Reading Diff.2

F. ADDITIONAL REQUIREMENTS and Electives..... Minimum 1 S.H. _____

___ Departmental Seminar 0

EVALUATOR _____ DATE _____

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