

THE COLLEGE OF NEW JERSEY
ACADEMIC EVALUATION

DEGREE REQUIREMENTS FOR ELEM EDUC/Math/Science/Technology-ELST

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) department 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 S.H.
(Consult 2003-2004 College Catalog or Course Schedule for acceptable courses)

I. INTELLECTUAL SKILLS 0 - 10 S.H. _____
GROUP A: ACADEMIC WRITING Required 4 S.H.
_____ WRI 102 Academic Writing 4

GROUP B: MATHEMATICS Required0 - 6 S.H.
____MATH 127 Calculus I 3 ____MATH 128 Calculus II 3
____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 WORLD26 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 14 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) ____SOCL 101 3

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

- 1. FINE/PERF. ARTS ____MUSC 350 3 Req. 3. LITERATURE _____ 3 See Approved List
 - 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.

C. SOCIAL AND BEHAVIORAL SCIENCES 9 S.H. _____

____ELEM 203 Child Growth and Learning 5
____SOCL 101 Intro to Soc 3
Double counted in III, Group A above.

Social/Behavioral course 1 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 (BIOL 183/184, 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). 14-15 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..... 30 S.H. _____

(1. Pre-Junior Professional Experience

___ELEM 103 Intro Elem Education 1 ___ELEM 292 Anly. Class. Beh. 2

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

___ELEM 301 Observ. & Participation 5 ___MATH 342 Tchng Math El. Gr. 1

___ELEM 326 Soc. St. & Sci: Elem. 3 ___PHED 496 Surv. Tch HPE & Saf. El. 1

___RDLG 304 Rdg. & Lang. Arts Elem. 3 ___ELEM 483 Creative Arts-Elem. Sch. 1

___ELEM 497 Selected Topics (Sr. Project) 1

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

___ELEM 439 Student Teaching - El. Sc. 10 ___RDLG 422 Diagnosis of Reading Diff.2

F. ADDITIONAL REQUIREMENTS and ELECTIVES.....Minimum 3 S.H. _____

___Departmental Seminar 0

EVALUATOR _____ DATE _____

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