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THE COLLEGE OF NEW JERSEY  
ACADEMIC EVALUATION

\_\_\_\_\_  
\_\_\_\_\_

DEGREE REQUIREMENTS (Control Sheet) FOR .....PHYSICS EARTH SCIENCE-PHYG

**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) 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 2.0;
- 5) completion of all departmental requirements;
- 6) 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 REQUIREMENTS ..... 32- 51 S.H.**  
(Consult 2003-2004 College Catalog or Course Schedule for acceptable courses)

**I. INTELLECTUAL SKILLS ..... 0 - 19 S.H. \_\_\_\_\_**

**GROUP A: ACADEMIC WRITING ..... 4 S.H.**

\_\_\_\_ WRI 102 Academic Writing 4

**GROUP B: MATHEMATICS ..... 0 - 6 S.H.**

\_\_\_\_ MATH 127 Calculus I 3 \_\_\_\_ MATH 128 Calculus II 3

**GROUP C: FOREIGN LANGUAGES ... (Courses in same language)... 0 - 9 S.H.**

Strongly urged to take during the first year.

\_\_\_\_ 3 S.H. \_\_\_\_ 3 S.H. \_\_\_\_ 3 S.H.

**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 WORLD ..... 26 S.H. \_\_\_\_\_**

[ DIVERSITY DISTRIBUTION ..... Satisfied in A and B below ] .....

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: (8 S.H.)

\_\_\_\_ CHEM 201 Gen. Chemistry I 4 \_\_\_\_ CHEM 202 Gen. Chemistry II 4

2. SOCIAL SCIENCES: Completion of one approved "Content" course and one

approved "Process" course. (6 S.H.) (C) \_\_\_\_\_ 3 (P) \_\_\_\_\_ 3

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

1. FINE OR PERFORMING ARTS \_\_\_\_\_ 3 3. LITERATURE \_\_\_\_\_ 3

2. HISTORY \_\_\_\_\_ CHEM 340\* 3 4. PHILOSOPHY/RELIGION \_\_\_\_ PHIL 230 3

(double counted in major)

PHYG

NAME \_\_\_\_\_ SS# \_\_\_\_\_

**B. MAJOR REQUIREMENTS..... 52-53 S.H. \_\_\_\_\_**

**A. Physics Required Courses .....30**

___ PHYS 201 General Physics I	4	___ CMSC 215 Comp. Sci. I	3
___ PHYS 202 General Physics II	4	___ MTRL 171 Intro Meteorology	4
___ PHYS 311 Elec & Electron	4	___ ASTR 161 Des. Astronomy	4
___ PHYS 321 Modern Physics	4	___ GOLG 120 Intro Geology	4

**B. Physics Options.....22/23**

___ CHEM 340 Hist. Chem/Phys	3	___ PHIL 230 Phil Issues in Sci	3
___ ASTR 261 Astronomy II	4	___ GOLG 220 Geology II	4
___ PHYS 306 Math Phys	3	___ PHYS 401 Mechanics	3
___ PHYS 421 Emag Theory I	3	___ PHYS 411 Optics & Waves	4
___ PHYS 422 Emag Theory II	3	___ PHYS 416 Heat & Thermo	3
___ PHYS 426 Nuclear	3	___ PHYS 431 Quantum	3
___ PHYS 451 Adv Laboratory	2	___ PHYS 466 Astrophysics	3
___ PHYS 313 Intro to Gen Relativity	3	___ PHYS 499 Ind Study/Phys	var
___ PHYS 316 Int Phys for Med & Bio	3	___ MATH 326 Diff Equations	3
		OR	
___ CHEM 353 Organic Chem I	4	___ MATH 386 Diff Eq & Num Tech	3
___ CHEM 354 Organic Chem II	4	___ BIOL 183 Gen Biology I	4
___ MATH 229 Calc III	3	___ BIOL 184 Gen Biology II	4
		___ BIOL 261 Ecol. & Field Bio	4
		___ BIOL 321 Genetics	4

**C. ELECTIVES AND COLLEGE SEMINAR ..... Minimum 24-25 S.H. \_\_\_\_\_**

___ PHYS 099 Physics Introductory Seminar	0		
_____		_____	
_____		_____	
_____		_____	

EVALUATOR \_\_\_\_\_ DATE \_\_\_\_\_