## CLARION UNIVERSITY OF PENNSYLVANIA College of Arts and Sciences

## DEGREE: B.S. Physics Cooperative Engineering

Name				Transfer:*		
Clarion ID				**		
Entrance Date				CUP:		
Program Entry DateAdvisor						
Auv	1301 _	_				
GEI Plea pub	NERA se ref lished	L EDUCATION REQUIREMENTS – 48 CREDITS fer to the approved list of Gen Ed courses that applicass schedule.	pears in the	· · · · · · · · · · · · · · · · · · ·		
I.		English Composition (3 credits)	<u>CR.</u> <u>GR.</u>	<ul><li>V. REQUIREMENTS IN MAJOR: (39 – 57 credits)</li><li>A. REQUIRED IN PHYSICS (38 credits)</li></ul>	<u>CR</u> . <u>GR</u>	
	В.	Eng 111: Writing II  Mathematics Competency (3 credits)	3	PH 258: Introductory Physics I (Lec) PH 268: Introductory Physics I (Lab)	3	
				PH 259: Introductory Physics II (Lec)	3	
	C.	Freshman Inquiry Seminar (3 credits) INQ:		PH 269: Introductory Physics II (Lab) PH 351: Mechanics: Dynamics	$\frac{\frac{1}{3}}{\frac{3}{2}}$	
	D.	Credits to total 12 in Category I, selected from	at least two of the	PH 352: Electricity & Magnetism PH 353: Modern Physics I	3	
	following: Academic Enrichment, Communica		on, Computer	PH 354: Optics	3	
		Information Science, Elementary Foreign Langua	ge, English	PH: * PH: *	3	
		Composition, HON 128 Logic, Mathematics, and	d Speech	PH: *	3	
		Communication.		PH: *	3	
		;		PH: *	3	
II.				* To be selected from 300-level and 400-level physics coujunior/senior level engineering courses approved in advance		
	LIBE	LIBERAL KNOWLEDGE - 27 CREDITS		Physics Department.	ie by the	
	Α.			, otes 2 spai striction		
	. "	Selected from at least two of the following: Biole	ogy, Chemistry,	B. REQUIRED SUPPLEMENTAL COURSES (3 - 10 credits)		
		ENVR 275, Earth Science, GS 411, HON 230, M		MATH 270: Calculus I	<u>4</u> I-B	
		Physical Science.		MATH 271: Calculus II	IV	
				MATH 272: Calculus III	4	
				MATH 350: Differential Equations	4 3I-C	
				MATH 370: Intro to Linear Algebra	3	
			<del></del>	CHEM 151: Chem. Principles I (Lec)	3	
	B. Social & Behavioral Science (9 credits)			CHEM 161: Chem. Principles I (Lab)	<u> </u>	
		Selected from at least two of the following: Ant	hropology, Econ.	CHEM 152: Chem. Principles II (Lec)	3	
		Geog., GS 140, History, HON 240, NURS 320,		CHEM 161: Chem. Principles II (Lab)	ī	
		Psychology, Sociology, Social Work, and Wome Studies.		CIS 202: Intro to Program Algorithms I	3	
		;		CPSC 201: Survey of Comp. Sci. Tools	3	
		:				
	C.		F. P.L.L.	VI FREE ELECTIVES	CD CD	
		Selected from at least two of the following: Art and Literature, HON 130, Humanities, Intermed		VI. FREE ELECTIVES	<u>CR</u> . <u>GR</u> .	
		Language and Cultures, Music, Philosophy, Speed				
		::				
III.	HEA	alth and personal performance - 3 cre	DITS	;		
	A.	Health and Wellness (2 credits)	_	:		
	_		2	:		
	В.	Personal Performance (1 course and 1 credit)		;		
		·;	<u> </u>	·		
			<del></del>	<del></del>		
IV.	GFN	NERAL. EDUCATION. ELECTIVES		:		
	Credits to total 48 from Gen. Ed. excluding credits in Physics major.					
	Ŭ	Up to 1 credit from Category III.B allowed.	in i nysies major.	FLAGS – Record below:		
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			<del>-</del>	Writing Intensi	ive (VV)	
FLAGS - Record below courses used to meet Gen. Ed. requirements:			uirements:	Writing Intensi	ive (W)	
		First Year Values (V)		Information Lit	teracy (I)	
		Quantitative Reasoning (Q)			, (/	
		Second Values (S)				

## **University Policies Relating to Academic Requirements**

- A student is obligated by those requirements which are in effect at the time of his/her matriculation, but if he/she changes majors he/she is obligated by the requirements in effect at the time of the change. If a student has been out of school for more than two years and is readmitted, he/she is treated as a new student for requirement purposes.
- A minimum of 120 credits must be presented for graduation, of which at least 30 of the last 60 credits must have been earned in residence.
- No more than 2 credits of Personal Performance (III.B) by be counted for graduation.
- Upon presentation of form DD 214, the university grants a maximum of 4 credits in Health and Physical Education for active military service of 6 months or more. Credit is normally given for NFSS 111 (2 credits) and 2 activity hours of 1 credit each.
- Maximum loads: Students with a GPA of 3.0, 21 hours; students in good standing\*, 18 hours; students on probation, 15 hours.
  - \* To be in good standing, undergraduate students must maintain a minimum cumulative grade point average of 2.0.
- After a student has earned a minimum of 30 semester hours of credit and if he/she is in good academic standing, he/she may schedule a maximum of six courses of 18 credit hours for Credit/No Record. One such course may be taken each semester. Courses in the student's major may not be taken on a Credit/No Record basis.
- Course credits not to exceed 18 semester hours may be earned by departmental examination at Clarion.
- All candidates for an undergraduate degree must be in good academic standing (i.e., have a cumulative GPA of 2.0).
- Students may earn two degrees (B.A., B.S., BSED, BSBA), simultaneously or in sequence, by completion of 30 approved credits hours beyond those taken for one degree.
- Students may take a double major by satisfying the major requirements of two programs within a single degree. Ordinarily a double major (two majors within one degree) can be effected in 120 hours, but it is not possible to take two majors in different degree programs (e.g., B.S. in Biology and BSED in Biology) unless the 30 hour requirement for a second degree, referred to in the preceding statement, is satisfied.
- Students may obtain teacher certification in conjunction with many degrees by completing the required course work in
  professional education. For more information, contact the Dean of the College of Arts, Education and Sciences, or the Director
  of Education. With careful course selection, ordinarily no more than 120 credits will be required.

Academic Policy information can be found on the Registrar's web page at the following link: <a href="http://www.clarion.edu/academics/registrars-office/academic-policies/index.html">http://www.clarion.edu/academics/registrars-office/academic-policies/index.html</a>