

### Part I. Curriculum Proposal Cover Sheet (see above)

## Part II. Description of Curriculum Change

#### 1. Catalog description

**PHYS 451** 

**PHYS 461** 

COSC 110

**Controlled Electives:** 

Other Requirements: (1)

**Electricity and Magnetism** 

Problem Solving and Structured Programming

Quantum Mechanics I

Two additional PHYS majors course

Note: The revised catalog description applies to the Department's "Bachelor of Arts – Physics" program in the appropriate form. This includes both the description about the program and the list of courses and credits for the revised program.

	Bachelor of Arts – Physics					
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	following s	pecifications:				
		cs: MATH 125				
		ience: PHYS 131-141 and 132-142				
		idies Electives: 3cr, MATH 126, no courses wi	th PHYS			
	prefix	, , , , , , , , , , , , , , , , , , , ,				
	Major:		25			
	Required C					
	PHYS 131	Physics I-C Lecture	*cr.(1)			
	PHVS 132	Physics II-C Lecture	*cr (1)			
	PHYS 141		*cr (1)			
		Physics II_C I ah	*cr (1)			
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	<b>PHYS 231</b>	Electronics	4cr			
	<b>PHYS 331</b>	Modern Physics	3cr			
	PHYS 350	Intermediate Experimental Physics I	3cr			
	<b>PHYS 441</b>	Classical Mechanics	3cr			
	DITTO 451	TO	•			

3cr

3cr

6cr

3cr

25-31

# 2 (a) Comparison of current and proposed program. Bachelor of Arts – Physics

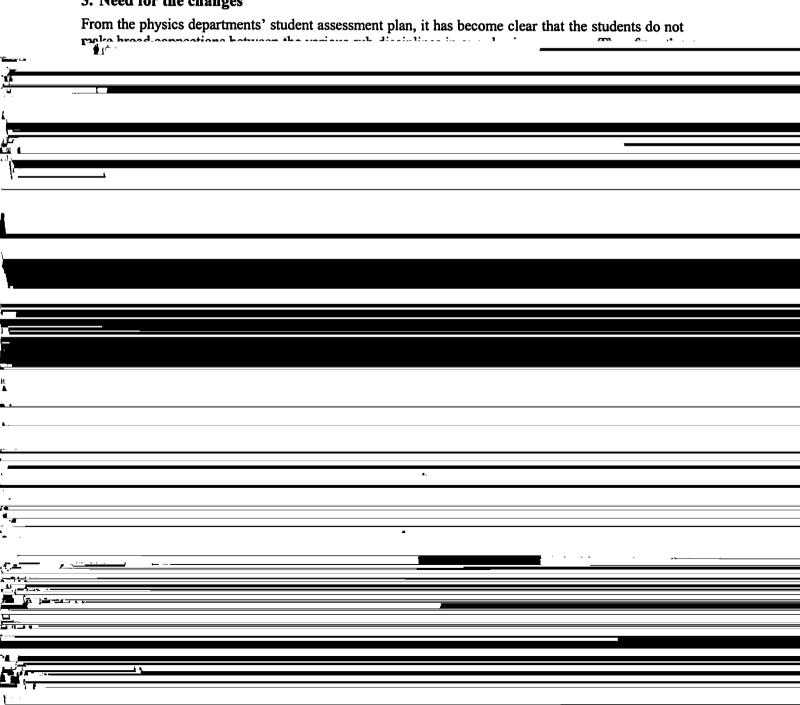
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	Liberal Studies: As outlined in Liberal Studie following specifications:	es section with the 50	Liberal Studies: As outlined in Liberal Studies section with the following specifications:	48
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	Liberal Studies Electives: 4cr, MATH 124, r PHYS prefix	no courses with	Liberal Studies Electives: 3cr, MATH 126, no course PHYS prefix	ses with
	Major:	20	Major:	
	Required Courses: PHYS 131 Physics I-C Lecture	28 *cr (1)	Required Courses: PHYS 131 Physics I-C Lecture	25 *cr
	PHYS 132 Physics II-C Lecture	*cr(1)	PHYS 132 Physics II-C Lecture	(1) *cr
			i i i i i i ja i i i i jaka i i C Lecture	(1)

### 2 (b) List of all associated course changes

### **Course Proposals Associated with Program Revisions**

New#	Old#	Title		Old Format	
PHYS 441	N/A	Classical Mechanics	3c-01-3cr	N/A	New Course
<b>PHYS 451</b>	N/A	Electricity & Magnetism	3c-01-3cr	N/A	New Course
PHYS 461	PHYS 473	Quantum Mechanics I	3c-01-3cr	4c-01-4cr	Revised
	PHYS 222	Mechanics I		2c-01-2cr	Deleted
	<b>PHYS 223</b>	Mechanics II		2c-01-2cr	Deleted
	<b>PHYS 322</b>	Electricity & Magnetism I		2c-01-2cr	Deleted
	<b>PHYS 323</b>	Electricity & Magnetism II		2c-01-2cr	Deleted
	PHYS 351	Intermediate Experimental		0c-6l-3cr	Deleted
		Physics II			

# 3. Need for the changes



level of Electricity and Magnetism with topics including Electrostatic, Electric Fields in Matter, Magnetostatics, Magnetic Fields in Matter, Electrodynamics, Electromagnetic Waves, Potential and Fields.

DUVS 461/561, Quantum M	echanics I				
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