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**Proposed Version** 

BENGDIP.SOFT

Undergraduate Fall 20042013

QUALITY ASSURANCE

No Specified End Date [?]

· Lakehead University

· Faculty of Engineering

Bachelor of Engineering (Software Engineer

Submitting a New/Change to a Program Pro

mandatory Quality Assurance Requirements

## Zone 1: Required Information

**Current Version** 

QUALITY ASSURANCE

Submitting a New/Change to a Program Proposal? Visit this link for the

mandatory Quality Assurance Requirements

Program Code: BENGDIP.SOFT AcademicLevel: Undergraduate

StartTerm: Fall 2004

EndTerm: No Specified End Date

InstitutionUnit:

Lakehead University

· Faculty of Engineering

Title: Bachelor of Engineering (Software Engineering)

DegreeType: BENG

Major: SOFT

Minor:

Specialization: Rationale for

this proposal:

1. The Winter term course had only Softwar resulting in low enrolment.2. Content in EN 4559 which is a core course for Software stu 0577 from Option Electives - not offered by

Le

3

Engineering

BENG

SOFT

Description: BEng w Dipl (Software)

Requirements:

Four Year program

Four	Year	program
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BEng w Dipl (Software)

First Year: Fall Term

Engineering 1236 - Electric Circuit

First Year: Fall Term	Lec	Lab
Engineering 1236 - Electric Circuit Theory I	3	1.5
Engineering 1252 - Electrical Measurements and Measuring Instruments	2	3
Computer Science 1411 - Computer Programming I	3	1
Mathematics 1071 + - Vectors and Matrices	3	2
Mathematics 1210 - Calculus I	3	1
Physics 1070** - Semiconductors and Gases	3	0
Chemical Engineering Option:		
Engineering 1135 - Introduction to Chemical Engineering Calculations	3	1.5
Civil/Mechanical Engineering Options:		
Engineering 1230 - Statics	3	1
Total hours: Chemical 20/10; Civil 20/9.5; Electrical 17/8.5; Mechanical 20/9.5		
+Students who have completed Gr. 12U Calculus	and Vecto	rs with a

minimum grade of 60% are not required to take <u>Mathematics 1071</u> .			
First Year: Winter Term	Lec	Lab	
Computer Science 1431 - Computer Programming	3	1	
English 1238 - Technical Writing II	3	0	
Mathematics 1230 - Calculus II	3	1	
Chemical Engineering Option:			
Engineering 1635 - Fluid Mechanics	3	1.5	
Engineering 3014 - Engineering Chemistry	4	0	
Civil/Mechanical Engineering Options:			
Engineering 1111 - Dynamics I	3	1	
Engineering 1635 - Fluid Mechanics	3	1.5	
Electrical Engineering Option:			
Engineering 1536 - Electric Circuit Theory II	3	1.5	
Engineering 1552 - Principles of Engineering Mechanics	4	0	
Engineering 1634 - Electronics I	3	1.5	

Engineering 1252 - Electrical Measurements and Measuring 2 Instruments Computer Science 1411 - Computer 3 Programming I Mathematics 1071 + - Vectors and 3 Mathematics 1210 - Calculus I 3 Physics 1070\*\* - Semiconductors and 3 Gases Chemical Engineering Option: Engineering 1135 - Introduction to 3 Chemical Engineering Calculations Civil/Mechanical Engineering Options: Engineering 1230 - Statics 3 Total hours: Chemical 20/10; Civil 20/9.5; Electrical 17/8.5; Mechanical 20/9.5 +Students who have completed Gr. 12U Ca Vectors with a minimum grade of 60% are to take <u>Mathematics</u> 1071 First Year: Winter Term L Computer Science 1431 - Computer 3 Programming II English 1238 - Technical Writing II Mathematics 1230 - Calculus II Chemical Engineering Option: Engineering 1635 - Fluid Mechanics Engineering 3014 - Engineering Civil/Mechanical Engineering Options: Engineering 1111 - Dynamics I 3 Engineering 1635 - Fluid Mechanics

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Zone 2: Budgetary Considerations					
	Current Version	Proposed Version			
	Please Complete Each Section and provide explanations for both Yes and No answers.	Please Complete Each Section and provide explanations for both Yes and No answers.			
Student Enrolment:		No [?]			
Student Enrolment Other Units:		Yes - Department of English [?]			
Additional Resources:		No [?]			
Teaching Loads:		No [?]			
Teaching Support Services :		No [?]			
Outside Support:		No [?]			

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