

# Revision for COMP 251

**Proposal Reference Number** : 11196  
**PRN Alias** : 15-16#1017  
**Version No** : 2  
**Submitted By** : Mr Michael Langer  
**Edited By** : Mr Michael Langer

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Summary of Changes **Corequisites, Supplementary Calendar Info**

	Current Data	New Data				
Program Affected?		Y				
Program Change Form Submitted?		Y				
Subject/Course/Term	COMP 251 <ul style="list-style-type: none"> <li>one term</li> </ul>					
Credit Weight or CEU's	3 credits.					
Course Activities	<ul style="list-style-type: none"> <li>A - Lecture</li> <li>OT - Optional Tutorial</li> </ul>					
Course Title	<table border="1"> <tr> <td>Course Title on Transcript</td> <td>Algorithms and Data Structures</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Algorithms and Data Structures.</td> </tr> </table>	Course Title on Transcript	Algorithms and Data Structures	Course Title on Calendar	Algorithms and Data Structures.	
	Course Title on Transcript	Algorithms and Data Structures				
Course Title on Calendar	Algorithms and Data Structures.					
Rationale		[Corequisite(s)] A co-requisite Math course has been added to ensure that students have sufficient mathematical maturity. Please see Supplemental Calendar information below for details.				
Responsible Instructor						
Course Description	Introduction to algorithm design and analysis. Graph algorithms, greedy algorithms, data structures, dynamic programming, maximum flows.					
Teaching Dept.	0155 : Computer Science					
Administering Faculty/Unit	SC : Faculty of Science					
Prerequisites	Prerequisite: COMP 250					
Corequisites		<b>MATH 235 or MATH 240 or MATH 363</b> <input type="text" value="Web Registration Blocked? : N"/>				
Restrictions	<ul style="list-style-type: none"> <li>Restrictions: Not open to students who have taken or are taking COMP 252.</li> </ul>					
Supplementary Calendar Info	1. 3 hours	1. 3 hours 2. <b>COMP 251 uses mathematical proof techniques that are taught in the corequisite course(s). If possible, students should take the corequisite course prior to COMP 251.</b> 3. <b>COMP 251 uses basic counting</b>				

		techniques (permutations and combinations) that are covered in MATH 240 and 363, but not in MATH 235. These techniques will be reviewed for the benefit of MATH 235 students.
Additional Course Charges		
Campus		
Projected Enrollment		
Requires Resources Not Currently Available		
Explanation for Required Resources		
Consultation Reports Attached?		
Effective Term of Implementation		201709
File Attachments		<ul style="list-style-type: none"> <li>• consultation for COMP 251 BIOL.pdf <a href="#">View</a></li> <li>• consultation for COMP 251 MATH.pdf <a href="#">View</a></li> <li>• consultation for COMP 251 ECSE.pdf <a href="#">View</a></li> <li>• JointMajor CS-Bio revision Oct 2016.doc <a href="#">View</a></li> </ul>
To be completed by the Faculty		
For Continuing Studies Use		

## Approvals Summary

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Version No.	Departmental Curriculum Committee	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status
2								Submitted to Curriculum/Academic Committee for approval Edited by: Michael Langer on: Oct 13 2016
1								Submitted to Curriculum/Academic Committee for approval Created on: Sep 12 2016