

## **Accelerated Undergraduate/Graduate (BS/MS) Dual Degree Program in Computer Science**

The BS degree in Computer Science requires 126 semester hours and the MS degree in Computer Science requires 30 semester hours. Undergraduate Computer Science majors who enter the accelerated BS/MS dual degree program are **permitted to double count up to 9 semester hours of overlapping courses**. The overlapping hours all come from graduate courses which fulfill graduate program requirements and which are also used to satisfy credit hour requirements for the baccalaureate degree. Specifically, three graduate level Computer Science courses may be chosen instead of three undergraduate level Computer Science courses when fulfilling Computer Science electives for the BS degree. Other than the 9 semester hours of courses that students may double count toward their BS degree, students complete all BS degree requirements, including co-op and wellness.

Students may complete their MS degree by either completing a thesis or a project. Students completing their BS and MS degrees must choose some of their electives to satisfy what we identify as a **cluster** requirement and there are numerous clusters and electives students may choose from. While undergraduate students are allowed and encouraged to enroll in graduate level Computer Science courses for which they have the proper prerequisites, students enrolled in the accelerated BS/MS dual degree program must complete **all** of their degree requirements for the BS degree before being permitted to register for either thesis or project.

Undergraduate students who apply to RIT in Computer Science are initially accepted into only the BS degree program. Students interested in the accelerated BS/MS dual degree program in Computer Science request entry into this program using a Change of Program form. **We encourage students to wait until at least the end of their second year at RIT before making this request**. Students should consult their academic advisor prior to officially filing the form. The Associate Graduate Program Coordinator currently handles all matters related to the accelerated BS/MS dual degree program.

***We will not define all possible combinations of Computer Science courses and program paths*** that might be used for a BS/MS combination, although we illustrate several possible scenarios below. ***We stress that these scenarios are meant to demonstrate the feasibility of completing the accelerated BS/MS dual degree program in one additional year beyond the BS degree.*** Rather, we will advise students and guide them in putting together appropriate collections of courses that help them satisfy requirements and meet their goals once they are admitted to the accelerated BS/MS dual degree program. In addition to speaking with their academic advisor, students should also read through both the Undergraduate and Graduate handbooks which are posted online for more specific details, requirements, and restrictions associated with the BS and MS degrees.

Illustrative BS/MS Scenario – Research Path and Data Management Cluster						
<b>Year 1 – Fall</b>	CSCI 141	MATH 181	Gen Ed First Year Writing Course	Gen Ed Artistic Perspective	Gen Ed Global Perspective	ACSC 010
<b>Year 1 – Spring</b>	CSCI 142	MATH 182	MATH 190	Gen Ed Ethical Perspective	Gen Ed Social Perspective	Wellness Activity
<b>Year 1 – Summer</b>						
<b>Year 2 – Fall</b>	CSCI 243	CSCI 262	MATH 251	Lab Science 1	Gen Ed Elective	Wellness Activity
<b>Year 2 – Spring</b>	CSCI 261	SWEN 261	MATH 241	Lab Science 2	Gen Ed Scientific Principles	
<b>Year 2 – Summer</b>	CSCI 488 (co-op)					
<b>Year 3 – Fall</b>	CSCI 331	CSCI 320	CSCI 250	Science Elective	Gen Ed Immersion	
<b>Year 3 – Spring</b>	CSCI 499 (co-op)					
<b>Year 3 – Summer</b>						
<b>Year 4 – Fall</b>	CSCI 251	CS Elective (BS/MS Overlapping)	CSCI 344	Free Elective	Gen Ed Immersion	
<b>Year 4 – Spring</b>	CS Elective	CS Cluster Elective (BS/MS Overlapping)	Science Elective	Free Elective	CSCI 471	
<b>Year 4 – Summer</b>						
<b>Year 5 – Fall</b>	CSCI 499 (co-op)					
<b>Year 5 – Spring</b>	CS Cluster Elective (BS/MS Overlapping)	Gen Ed Immersion	Gen Ed Elective	Free Elective	Free Elective	
<b>Year 5 – Summer</b>						
<b>Year 6 – Fall</b>	CSCI 610	CSCI 799	CSCI 799	CSCI 631		
<b>Year 6 – Spring</b>	CSCI 664	CSCI 790 (Computer Science MS Thesis)				

Illustrative BS/MS Scenario – Professional Path and Computer Graphics and Visualization Cluster						
<b>Year 1 – Fall</b>	CSCI 141	MATH 181	Gen Ed First Year Writing Course	Gen Ed Artistic Perspective	Gen Ed Global Perspective	ACSC 010
<b>Year 1 – Spring</b>	CSCI 142	MATH 182	MATH 190	Gen Ed Ethical Perspective	Gen Ed Social Perspective	Wellness Activity
<b>Year 1 – Summer</b>						
<b>Year 2 – Fall</b>	CSCI 243	CSCI 262	MATH 251	Lab Science 1	Gen Ed Elective	Wellness Activity
<b>Year 2 – Spring</b>	CSCI 261	SWEN 261	MATH 241	Lab Science 2	Gen Ed Scientific Principles	
<b>Year 2 – Summer</b>	CSCI 488 (co-op)					
<b>Year 3 – Fall</b>	CSCI 331	CSCI 320	CSCI 250	Science Elective	Gen Ed Immersion	
<b>Year 3 – Spring</b>	CSCI 499 (co-op)					
<b>Year 3 – Summer</b>						
<b>Year 4 – Fall</b>	CSCI 251	CS Elective (BS/MS Overlapping)	CSCI 344	Free Elective	Gen Ed Immersion	
<b>Year 4 – Spring</b>	CS Elective	CS Cluster Elective (BS/MS Overlapping)	Science Elective	Free Elective	CSCI 471	
<b>Year 4 – Summer</b>						
<b>Year 5 – Fall</b>	CSCI 499 (co-op)					
<b>Year 5 – Spring</b>	CS Cluster Elective (BS/MS Overlapping)	Gen Ed Immersion	Gen Ed Elective	Free Elective	Free Elective	
<b>Year 5 – Summer</b>						
<b>Year 6 – Fall</b>	CSCI 712	CSCI 6xx or CSCI 7xx	CSCI 799	CSCI 631		
<b>Year 6 – Spring</b>	CSCI 664	CSCI 622	CSCI 788 (Computer Science MS Project)			