



<b>Advisers</b>	Mrs. Miriam Schechter, Director .....	<a href="mailto:mschecht@yu.edu">mschecht@yu.edu</a>
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## **Computer Science Major** **Total Credits: 46**

<b>Faculty</b>	Prof. Alan Broder .....	<a href="mailto:alan.broder@yu.edu">alan.broder@yu.edu</a>
	Prof. Emil Prodan .....	<a href="mailto:prodan@yu.edu">prodan@yu.edu</a>
	Dr. Thomas Schmidt .....	<a href="mailto:thomas.schmidt@yu.edu">thomas.schmidt@yu.edu</a>

### **EFFECTIVE FALL 2016**

<b>Required Courses</b>		<b>Credits</b>
COMP 1300 C	Introduction to Computer Science	4 Credits
COMP 1320 C	Data Structures	4 Credits
COMP 1504	Discrete Structures	3 Credits
COMP 2115 C	Computer Systems	4 Credits
COMP 2545	Algorithms	3 Credits
COMP 3563	Database Systems	3 Credits
COMP 3640	Programming Languages	3 Credits
COMP 3650	Object-Oriented Software Design	3 Credits
MATH 1412 *	Calculus I	4 Credits
MATH 1413 *	Calculus II	4 Credits
MATH 2105	Linear Algebra	4 Credits
COMP - - - -	Computer Science elective 1 **	4 Credits
COMP - - - -	Computer Science elective 2 **	3 Credits

\* MATH 1413 and MATH 2105 may count toward the elective category of the General Education requirements.

**\*\* Recommended electives are:**

COMP 2314 C Linux Programming for Data Analysis, 4 credits

COMP 3780 Web Programming & Development, 3 credits

## **Computer Science Minor**

<b>Required Courses</b>		<b>Credits</b>
COMP 1300 C	Introduction to Computer Science	4 Credits
COMP 1320 C	Data Structures	4 Credits

**Plus** four (4) additional courses in Computer Science