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|----------|---------------------------------------|--|
| Advisers | Mrs. Miriam Schechter, Director ..... | <a href="mailto:mschecht@yu.edu">mschecht@yu.edu</a> |
|          | Dr. Jill Katz .....                   | <a href="mailto:jkatz@yu.edu">jkatz@yu.edu</a>       |
|          | Dr. Rochelle Kohn .....               | <a href="mailto:Rkohn1@yu.edu">Rkohn1@yu.edu</a>     |

## Computer Science Major Total Credits: 46

|         |                         |  |
|---------|-------------------------|--|
| Faculty | 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. Joshua Waxman ..... | <a href="mailto:joshua.waxman@yu.edu">joshua.waxman@yu.edu</a> |

### EFFECTIVE FALL 2016

| Required Courses |                                  | Credits   |
|------------------|----------------------------------|-----------|
| 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

| Required Courses |                                  | Credits   |
|------------------|----------------------------------|-----------|
| COMP 1300 C      | Introduction to Computer Science | 4 Credits |
| COMP 1320 C      | Data Structures                  | 4 Credits |

Plus four (4) additional courses in Computer Science