

# What Math Course Should I Take Next?

## MATH — Level II

Usually offered every semester	Offered 2020–2021
226: Multivariable Calculus	236: Mathematical Biology (Spring)
230: Differential Equations I	239: Number Theory in Budapest (Interim)
244: Real Analysis I (WRI)	257: Noether and Kovalevskaya — Algebra/ Analysis/Access in Europe* (Interim)
252: Abstract Algebra I (WRI)	266: Operations Research (Fall)
262: Probability Theory	282: Computational Geometry ☺ (Spring)

\*Prerequisite: Math 252, or Math 230 *and* Math 244

## MATH — Level III

Offered Annually	Offered 2020–2021
330: Differential Equations II (Fall)	332: Graph Theory (Fall)
340: Complex Analysis (Spring)	348: Topology (Fall)
356: Geometry (Interim)	352: Abstract Algebra II (Spring)
396: Directed Undergraduate Research (Spring)	

## STAT, MSCS, and CSCI

If you have not done so already, consider taking some statistics, data science, and/or computer science while at St. Olaf. Alumni often write to us to tell us to spread the word that it's useful to take more of these subjects. Here are some introductory and mid-level courses in these disciplines.

- CSCI 121: Principles of Computer Science (Fall/Spring)
- CSCI 125: Computer Science for Scientists and Mathematicians (Fall)
- STAT 212: Statistics for the Sciences (Fall/Interim/Spring)
- CSCI 241: Hardware Design (Fall; Prereq: CSCI 121 or 125)
- CSCI 251/252: Software Design and Implementation (Fall/Spring; Prereq: CSCI 121 or 125)
- MSCS 264: Intro. to Data Science (Fall/Spring)
- STAT 270: Intermediate Statistics for Social Science Research (Fall; Prereq: STAT 212 or ECON 263)
- STAT 272: Statistical Modeling (Fall/Spring; Prereq: STAT 212 or ECON 263)
- STAT 316: Advanced Statistical Modeling (Fall; Prereq: STAT 272)
- STAT 322: Statistical Theory (Spring; Prereq: STAT 272 and MATH 262)
- MSCS 341: Algorithms for Decision Making (Spring)