

# Csci 555: Functional Programming

## Computer & Information Science

The principles and techniques of programming with functions. Purely functional programming languages; recursion; higher-order functions; reduction models; strictness; type systems; list operations; infinite data structures; program synthesis and transformation.

3 Credits

### Prerequisites

- Pre-requisite: CSCI 211 and Math 301 or Graduate Standing
- Prerequisite: Junior standing (60 hr).

### Instruction Type(s)

- Lecture: Lecture for Csci 555

### Subject Areas

- [Computer Science](#)

