

SYLLABUS FOR FUSEMACHINES AI FELLOWSHIP

Here are the topics that will be covered and resources to help you prepare for the Multiple Choice Exam:

- **Maths:**
Linear Algebra, Statistics, Probability, Calculus, Numerical optimizations
- General Computer Science, Data Structure & Algorithms, Data Analysis
- Programming
- AI & Machine Learning

Some Helpful Resources:

- **Algebra:** <https://ocw.mit.edu/courses/mathematics/18-06-linear-algebra-spring-2010/video-lectures/>
- **Data and Algorithms:** <https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-006-introduction-to-algorithms-fall-2011/lecture-videos/>
- **Machine Learning:** <https://see.stanford.edu/Course/CS229>
- **Programming:** <https://see.stanford.edu/Course/CS106A>