6.3 CS PATH

Degree’s Structure: <http://catalog.mit.edu/degree-charts/computer-science-engineering-course-6-3/>

Information to All Courses: <http://student.mit.edu/catalog/m6a.html>

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/>

<https://stellar.mit.edu/courseguide/#course_6_sp21>

<https://learning-modules.mit.edu/guide/index.html#courses/6>

More Exams and Resources: <https://openlearning.mit.edu/courses-programs/open-learning-library>

MIT Online Textbooks: <https://ocw.mit.edu/courses/online-textbooks/>

Year 1: Introductory Subjects

(14 weeks for 6.0001 and 6.0002)

* 6.0001 Introduction to Computer Science and Programming in Python

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-0001-introduction-to-computer-science-and-programming-in-python-fall-2016/index.htm>

* 6.0002 Introduction to Computational Thinking and Data Science

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-0002-introduction-to-computational-thinking-and-data-science-fall-2016/index.htm>

* + Readings: textbook
* 6.042 Mathematics for Computer Science (16 weeks)

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-042j-mathematics-for-computer-science-spring-2015/index.htm>

* + Readings: textbook

Year 2: Foundation Subjects

* 6.004 Computation Structures

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-004-computation-structures-spring-2017/>

* + Readings: slides on website
* 6.006 Introduction to Algorithms

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-006-introduction-to-algorithms-fall-2011/index.htm>

* + Readings: 2 textbooks
* 6.009 Fundamentals of Programming

<https://py.mit.edu/spring21> (for now, but when you start this, recheck Information to All Courses)

Year 3: Header Subjects

* 6.031 Elements of Software Construction
* 6.033 Computer Systems Engineering (CI-M)
* 6.034 Artificial Intelligence
* 6.036 Introduction to Machine Learning
* 6.045 Computability and Complexity Theory
* 6.046 Design and Analysis of Algorithms

Year 4: Advanced Subjects

* 6.172 Performance Engineering of Software Systems
* 6.419 Statistics, Computation and Applications