📊 Curriculum Report: Computer Science - LSA

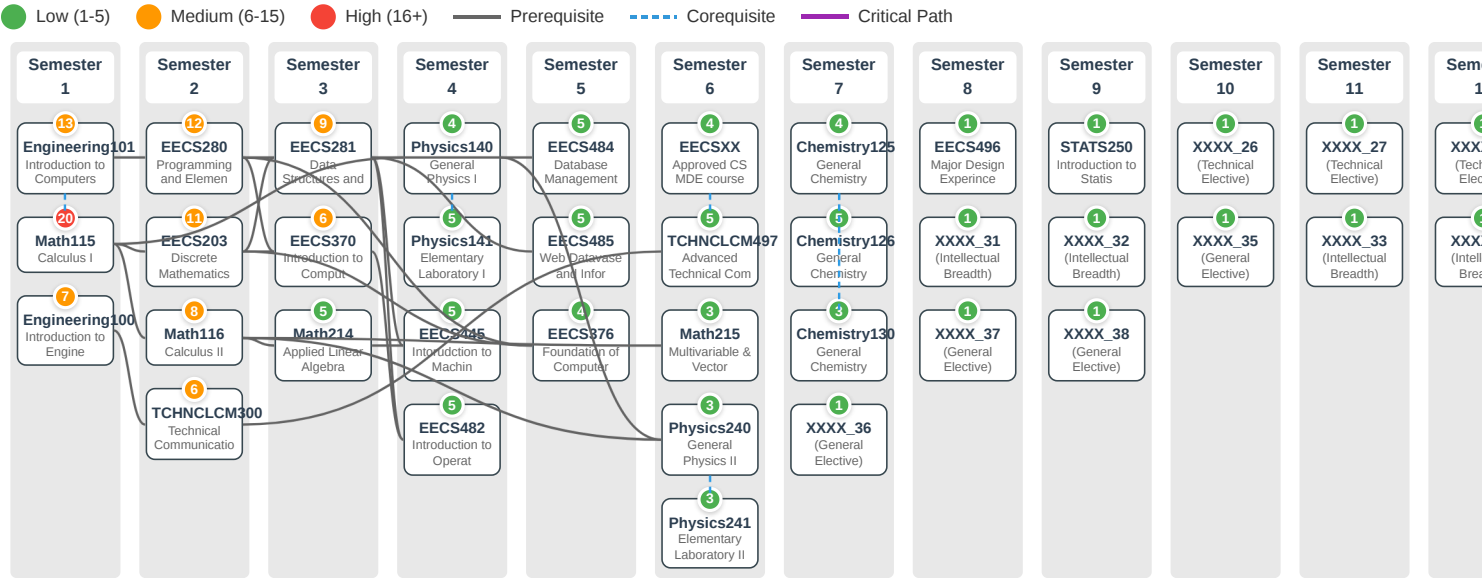## Overview

INSTITUTION	DEGREE	SYSTEM	YEARS
University of Michigan-Ann Arbor	BS Computer Science - LSA	quarter	4

CIP CODE	TOTAL CREDITS	TOTAL COURSES
11.07	128.0	38

Complexity Metrics

TOTAL COMPLEXITY	LONGEST DELAY	HIGHEST CENTRALITY
173	5	36
	Engineering101	EECS281

`Critical Path: (Engineering101+Math115) → EECS280 → EECS281 → EECS485`

Curriculum Graph

● Low (1-5)　● Medium (6-15)　● High (16+)　—— Prerequisite　----- Corequisite　—— Critical Path

Term Schedule

Term	Courses	Credits
1	Engineering101 Introduction to Computers Math115 Calculus I Engineering100 Introduction to Engineering	12.0
2	EECS280 Programming and Elementary Data Structures EECS203 Discrete Mathematics Math116 Calculus II TCHNCLCM300 Technical Communication for Electrical and Computer Science	13.0
3	EECS281 Data Structures and Algorithms EECS370 Introduction to Computer Organization Math214 Applied Linear Algebra	12.0
4	Physics140 General Physics I Physics141 Elementary Laboratory I EECS445 Intorudction to Machine Learning (CS Elective) EECS482 Introduction to Operating Systems (CS Elective)	13.0
5	EECS484 Database Management Systems (CS Elective) EECS485 Web Datavase and Information Systems (CS Elective) EECS376 Foundation of Computer Science	12.0
6	EECSXX Approved CS MDE course TCHNCLCM497 Advanced Technical Communication for Computer Science Math215 Multivariable & Vector Calculus Physics240 General Physics II Physics241 Elementary Laboratory II	15.0
7	Chemistry125 General Chemistry Laboratory I Chemistry126 General Chemistry Labatory II Chemistry130 General Chemistry XXXX_36 (General Elective)	9.0
8	EECS496 Major Design Experince Professionalism XXXX_31 (Intellectual Breadth) XXXX_37 (General Elective)	10.0
9	STATS250 Introduction to Statistics and Data Analysis XXXX_32 (Intellectual Breadth) XXXX_38 (General Elective)	11.0
10	XXXX_26 (Technical Elective) XXXX_35 (General Elective)	7.0
11	XXXX_27 (Technical Elective) XXXX_33 (Intellectual Breadth)	7.0
12	XXXX_28 (Technical Elective) XXXX_34 (Intellectual Breadth)	7.0

Course Metrics

Course	Name	Cr	Cplx	Blk	Dly	Ctr
Math115	Calculus I	4.0	20	15	5	0
Engineering101	Introduction to Computers	4.0	13	8	5	29
EECS280	Programming and Elementary Data Structures	4.0	12	7	5	29
EECS203	Discrete Mathematics	4.0	11	7	4	23
EECS281	Data Structures and Algorithms	4.0	9	4	5	36
Math116	Calculus II	4.0	8	4	4	10
Engineering100	Introduction to Engineering	4.0	7	3	4	0
EECS370	Introduction to Computer Organization	4.0	6	1	5	9
TCHNCLCM300	Technical Communication for Electrical and Computer Science	1.0	6	2	4	4
Chemistry126	General Chemistry Labatory II	1.0	5	2	3	0
Physics141	Elementary Laboratory I	1.0	5	2	3	0
Math214	Applied Linear Algebra	4.0	5	1	4	4
EECS482	Introduction to Operating Systems (CS Elective)	4.0	5	0	5	0
EECS484	Database Management Systems (CS Elective)	4.0	5	0	5	0
EECS485	Web Datavase and Information Systems (CS Elective)	4.0	5	0	5	0
EECS445	Intorudction to Machine Learning (CS Elective)	4.0	5	0	5	0
TCHNCLCM497	Advanced Technical Communication for Computer Science	2.0	5	1	4	4
Chemistry125	General Chemistry Laboratory I	1.0	4	1	3	3
Physics140	General Physics I	4.0	4	1	3	6
EECS376	Foundation of Computer Science	4.0	4	0	4	0
EECSXX	Approved CS MDE course	4.0	4	0	4	0
Chemistry130	General Chemistry	3.0	3	0	3	0
Physics240	General Physics II	4.0	3	0	3	0
Physics241	Elementary Laboratory II	1.0	3	1	2	0
Math215	Multivariable & Vector Calculus	4.0	3	0	3	0
EECS496	Major Design Experince Professionalism	2.0	1	0	1	0
STATS250	Introduction to Statistics and Data Analysis	3.0	1	0	1	0
XXXX_26	(Technical Elective)	4.0	1	0	1	0
XXXX_27	(Technical Elective)	3.0	1	0	1	0
XXXX_28	(Technical Elective)	3.0	1	0	1	0
XXXX_31	(Intellectual Breadth)	4.0	1	0	1	0
XXXX_32	(Intellectual Breadth)	4.0	1	0	1	0
XXXX_33	(Intellectual Breadth)	4.0	1	0	1	0
XXXX_34	(Intellectual Breadth)	4.0	1	0	1	0
XXXX_35	(General Elective)	3.0	1	0	1	0
XXXX_36	(General Elective)	4.0	1	0	1	0
XXXX_37	(General Elective)	4.0	1	0	1	0
XXXX_38	(General Elective)	4.0	1	0	1	0

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