MSCS DEGREE REQUIREMENTS FORM (before Fall 2024) last revised (09/25/2025)

First Name:	Last Name:		N number:_		_NYU Email:	
Required: 36 credits of a	pproved coursework					
• 21 credits - standard	graduate CS classroom-base	d courses.				
Course		Semester	Grade_	Credits:		
Course		Semester	Grade_	Credits:		
Course		Semester	Grade_	Credits:		
Course		Semester	Grade_	Credits:		
Course	<u> </u>	Semester	Grade_	Credits: _		
Course	<u> </u>	Semester	Grade_	Credits: _		
Course	<u> </u>	Semester	Grade_	Credits: _		
Course	e 2 under Requirement C).					
Course		Semester	Grade_	Credits: _		
Course		Semester	Grade_	Credits:		
Course		Semester	Grade_	Credits: _		
Course		Semester	Grade_	Credits:		
Requirement A: A stude	ent must take the three found	lational cour	ses and maintain	n a GPA of 2.6	667 or better in the course	es:
CSCI-GA 1170-001	Fundamental Algorithms So	emester	Grade	_Credits:	Notes	
CSCI-GA 2110-001	Programming Languages So	emester	Grade	_Credits:	Notes	
CSCI-GA 2250-001	Operating Systems So	emester	Grade	_ Credits:	Notes	
Requirement B: A stude	ent must pass ONE course in	TWO of th	e following fou	r designated ap	oplication areas	
Course		Semester	Grade_	Credits:		
Course		Semester	Grade_	Credits:		
Requirement C: A stude	ent must complete a designated to requirements and prior	ed capstone	course with the	grade of B (3.	0) or better (see page 2 for	
Course	•	Semester	Grade	Credits:		

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CSCI-GA.2270 Computer Graphics	CSCI-GA.3033 Graphics Processing Units (GPUs): Architecture & Programming				
CSCI-GA.2271 Computer Vision	CSCI-GA.3033 Integrating Machine Learning to Computer Vision				
CSCI-GA.2274 Advanced Computer Graphics	CSCI-GA.3033 Introduction to Computer Vision				
CSCI-GA.3033 Advanced Computer Vision	CSCI-GA.3033 Learning with Large Language & Vision Models				
CSCI-GA.3033 Computational Geometry	CSCI-GA.3033 Social Multiplayer Games				
CSCI-GA.3033 Computer Vision for Science & Engineering	CSCI-GA.3033 Virtual Reality				
CSCI-GA.3033 Geometric Modeling	CSCI-GA.3033 Vision Meets Machine Learning				
Computation for Science and Society					
CSCI-GA.2112 Scientific Computing	CSCI-GA.3033 Data Analytics & Visualization in Healthcare				
CSCI-GA.2180 Financial Software Projects	CSCI-GA.3033 Data Science for Health				
CSCI-GA.2420 Numerical Methods I	CSCI-GA.3033 Encrypted Computation				
CSCI-GA.2421 Numerical Methods II	CSCI-GA.3033 Introduction to Agent-Based Modeling				
CSCI-GA.2520 Bioinformatics & Genomes	CSCI-GA.3033 Machine Learning for Healthcare				
CSCI-GA.2585 Speech Recognition	CSCI-GA.3033 Music Software Projects				
CSCI-GA.2730 Linear Programming	CSCI-GA.3033 Practical Computer Security				
CSCI-GA.2750 Nonlinear Optimization	CSCI-GA.3033 Public Interest Technology				
CSCI-GA.2945 Convex & Nonsmooth Optimization	CSCI-GA.3033 Quantum Computation				
CSCI-GA.2945 High Performance Computing	CSCI-GA.3033 Randomized Numerical Linear Algebra				
CSCI-GA.2945 Immersed Boundary Method	CSCI-GA.3033 Security & Privacy				
CSCI-GA.2945 Monte Carlo Methods	CSCI-GA.3033 Social Networks				
CSCI-GA.2945 Numerical Optimization	CSCI-GA.3033 Technologies for Finance				
CSCI-GA.2945 Stochastic Modeling & Uncertainty &	CSCI-GA.3033 Topics in Digital Media				
Quantification in Complex Systems	CSCI-GA.3205 Applied Cryptography & Network Security				
CSCI-GA.2945 Topics in Numerical Analysis	CSCI-GA.3210 Introduction to Cryptography				
CSCI-GA.3033 Blockchain & Its Applications	CSCI-GA.3700 Values Embodied in Information & Communications Technology				
CSCI-GA.3033 Cryptocurrencies & Decentralized Ledgers	DS-GA.1017 Responsible Data Science				
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Intelligent Systems CSCI-GA.2271 Computer Vision	CSCI-GA.3033 Deep Generative Models				
CSCI-GA.2390 Logic in Computer Science	CSCI-GA:3033 Efficient AI & Hardware Accelerator Design				
CSCI-GA.2590 Logic in Computer Science	CSCI-GA:3033 Embodied Learning & Vision				
CSCI-GA.2565 Machine Learning	CSCI-GA.3033 Emerging Topics in Natural Language Processing				
CSCI-GA.2566 Foundations of Machine Learning	CSCI-GA.3033 Foundations of Deep Learning Theory				
CSCI-GA.2572 Deep Learning	CSCI-GA.3033 Graphics Processing Units (GPUs): Architecture & Programming				
CSCI-GA.2580 Web Search Engines	CSCI-GA.3033 High Performance Machine Learning				
CSCI-GA.2590 Natural Language Processing	CSCI-GA.3033 Integrating Machine Learning to Computer Vision				
CSCI-GA.2591 Advanced Topics in Natural Language Processing	CSCI-GA.3033 Introduction to Deep Learning & LLM based Gen. AI Systems				
CSCI-GA.2965 Heuristic Problem Solving	CSCI-GA.3033 Introduction to Machine Learning				
CSCI-GA.3033 Advanced Computer Vision	CSCI-GA.3033 Learning with Large Language & Vision Models				
CSCI-GA.3033 Advanced Machine Learning	CSCI-GA.3033 Machine Learning for Healthcare				
CSCI-GA.3033 Artificial Intelligence in Genomics	CSCI-GA.3033 Mathematical Foundations of Deep Learning & LLM				
CSCI-GA.3033 Bayesian Machine Learning	CSCI-GA.3033 Mathematics of Deep Learning				
CSCI-GA.3033 Big Data & ML Systems	CSCI-GA.3033 Predictive Analytics				
CSCI-GA.3033 Big Data Science	CSCI-GA.3033 Probabilistic Graphical Models				
CSCI-GA.3033 Big Data: Large Scale Machine Learning	CSCI-GA.3033 Protein Design				
CSCI-GA.3033 Cloud & Machine Learning	CSCI-GA.3033 Reinforcement Learning with Foundation Models				
CSCI-GA.3033 Computer Vision for Science & Engineering	CSCI-GA.3033 Robot Motion Planning				
CSCI-GA.3033 Conceptual Gaps in Modern Machine Learning	CSCI-GA.3033 Social Multiplayer Games				
CSCI-GA.3033 Data Analytics & Visualization in Healthcare	CSCI-GA.3033 Statistical Natural Language Processing				
CSCI-GA.3033 Data Mining	CSCI-GA.3033 Vision Meets Machine Learning				
CSCI-GA.3033 Data Science for Health	DS-GA 1001 Introduction to Data Science				
CSCI-GA.3033 Deep Decision Making & Reinforcement	DS-GA.1017 Responsible Data Science				
Databases					
CSCI-GA.2433 Database Systems	CSCI-GA.2568 Big Data				
CSCI-GA.2434 Advanced Database Systems	CSCI-GA.2621 Distributed Systems				
CSCI-GA.2434 Advanced Database Systems CSCI-GA.2436 Realtime & Big Data Analytics	CSCI-GA.3033 Programming Parallel Algorithms				
CSCI-GA.2437 Big Data Application Development	CSCI-GA.5055 Frogramming Faranci Argoriumis				
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Capstone					
CSCI-GA.2130 Compiler Construction	CSCI-GA.3033 Embodied Learning & Vision				
CSCI-GA.2274 Advanced Computer Graphics	CSCI-GA.3033 Geometric Modeling				
CSCI-GA.2434 Advanced Database Systems	CSCI-GA.3033 Graphics Processing Units (GPUs): Architecture & Programming				
CSCI-GA.2572 Deep Learning	CSCI-GA.3033 High Performance Machine Learning				
CSCI-GA.2621 Distributed Systems	CSCI-GA.3033 Multicore Processors: Architecture & Programming Networks &				
CSCI-GA.2945 High Performance Computing	Mobile Systems				
CSCI-GA.2945 Monte Carlo Methods	CSCI-GA.3033 Reinforcement Learning with Foundation Models Software Engineering				
CSCI-GA.3033 Big Data & ML Systems	CSCI-GA.3033 Technologies for Finance				
CSCI-GA.3033 Cloud & Machine Learning	CSCI-GA.3033 Virtual Reality				
CSCI-GA.3033 Cloud Computing	CSCI-GA.3812 Information Technology Projects				
CSCI-GA.3033 Cryptography of Blockchains					
CSCI-GA.3033 Deep Decision Making & Reinforcement Learning					