Name:				UID:	
General Education Requirements			Content Major Degree Requirements		
(Grade of () or higher is required)			Requirements (Grade of C- or high		
	ental Studies			Lower Level Requirem	
Requirements: credits	Course	Credits	Grade	MATH 140*	
Academic Writing (AW)	ENGL 101			MATH 141	
Professional Writing (PW)				CMSC 131*	
Oral Comm. (OC)				CMSC 132*	
Math (MA)	MATH 140			CMSC 216	
Analytic Reasoning (AR)	MATH 140			CMSC 250	
Distribu	tive Studies			CMSC 330*	
Requirements: credits	Course	Credits	Grade	CMSC 351*	
Natural Science Lab (NL)				MATH 240 or 241	
Natural Sciences (NS)				STAT 4XX*	
History/Social Sciences (HS)	TLPL 414	1		*CMSC gateway benchmarks.	
History/Social Sciences (HS)	1212414	1		Upper Level Requirements Go	
nistory/social Sciences (ns)		1		Select 5 courses from at least 3 of the following areas with	
Humanities (HU)	+	1		Area 1: Systems	
Humanities (HU)		1		CMSC 411	
Scholarship in Practice (SP)	TLPL 101 & TLPL 102			CMSC 412	
Scholarship in Practice (SP; non major)	121 2 101 4 121 2 102			CMSC 414	
	uestions		- U	CMSC 417	
	ed with Distributive Studies			Area 2: Information Processing	
Requirements: credits	Course	Credits	Grade	CMSC 420	
Big Questions				CMSC 421	
Big Questions				CMSC 422	
0	versity			CMSC 423	
(overlap permitted with Distrib	•	tions)		CMSC 424	
Requirements: credits	Course	Credits	Grade	CMSC 426	
Understanding Plural Soc. (UP)				CMSC 427	
Understanding Plural Soc. (UP) or Cultural Competency (CC)	TLPL 401			CMSC 470	
Experiential Le	earning- opitional		·	Area 3: Software Engineering and Programming Languages	
(overlap permitted with	other requirements/courses)			CMSC 430	
Requirements:credits	Course	Credits	Grade	CMSC 433	
			n/a	CMSC 434	
			n/a	CMSC 435	
	of 120 credits to complete a degree	ı		CMSC 436	
Requirements for Graduation:				Area 4: Theory	
At least 30 credits must be earned at UMD				CMSC 451	
15 of the final 30 credits must be earned at the 300-400 level			CMSC 452		
12 upper level major credits must be earned at UMD			CMSC 456		
<u> </u>				CMSC 457	

UID:		
Content Major Degree Requirements Computer Science	cell	
Requirements (Grade of C- or higher is required)	Credits	Grade
Lower Level Requirements	•	•
MATH 140*	4	
MATH 141	4	
CMSC 131*	4	
CMSC 132*	4	
CMSC 216	4	
CMSC 250	4	
CMSC 330*	3	
CMSC 351*	3	
MATH 240 or 241	3	-
STAT 4XX*	3	
	3	
*CMSC gateway benchmarks.		
Upper Level Requirements General Track		
Select 5 courses from at least 3 of the following areas with no more than 3 co	urses in a given area	
Area 1: Systems	1 0	
CMSC 411	3	
CMSC 412	4	_
CMSC 414	3	-
CMSC 417	3	
Area 2: Information Processing	1 -	
CMSC 420	3	
CMSC 421	3	_
CMSC 422	3	
CMSC 423	3	
CMSC 424	3	
CMSC 426	3	
CMSC 427	3	_
CMSC 470	3	
	3	
Area 3: Software Engineering and Programming Languages	1 2	
CMSC 430 CMSC 433	3	-
CMSC 434		_
CMSC 435	3	-
CMSC 436	3	+
Area 4: Theory	1 3	
	3	T
CMSC 451		+
CMSC 452	3	-
CMSC 456	3	+
CMSC 457	3	
Area 5: Numerical Analysis		
CMSC 460 or CMSC 466	3	
Upper Level Elective Courses (Must pass with a arade of C- or higher)		

Upper Level Elective Courses (Must pass with a grade of C- or higher)		
Select 6 credits from CMSC 300- or 400-level courses (not eligible CMSC330 & CMSC351). Students	should co	nsult with
CMSC Supporting Sequence (12 credits in Education courses*- Get CMSC advisor approval.)		
Suggested: EDHD 426, TLPL 414, TLPL 415,& TLPL 403 (See details below.*)		
College of Education Degree Requirements		
Year 1 - Benchmark Requirement		
AW with C- or higher		
MA with C- or higher		
Gateway Requirements		
CMSC LEP Gateway requirements and admission to CMSC major		
TLPL 401 with B- or higher	3	
Pre-Professional Education Requirements		•
TLPL 101 Inquiry Approach to Teaching STEM (Step 1)	1	
TLPL 102 Inquiry Teaching of STEM in Middle School	2	
*EDHD 426 Cognitive and Motivational Literacy Content	3	
TLPL 401 Student-Centered Curriculum and Instruction	3	
*TLPL 414 Knowing and Learning in Mathematics and Science	3	
*TLPL 415 Perspectives in Science	3	
Professional Education Requirements		
*TLPL 403 Teaching and Learning Highschool Mathematics (Fall Only)	3	
TLPL 479D Field Experiences in Education; Secondary Mathematics Education (Fall Only)	1	
TLPL 478D Special Seminar in Education: Mathematics (Spring Only)	1	
TLPL 489D Internship in Education: Mathematics (Spring Only)	12	
TLPL 477 Special Topics in Education; Teaching Academically, Culturally & Linguistically DiverseStudents in Secondary Education (Spring Only)	2	
		BR 3/27/24

Year 1	Fall	Cr.	Spring	Cr		
Benchmark 1	CMSC 131	4	CMSC 132	4		
AW with C- or higher	MATH 140 (MA/AR)	4	MATH 141	4		
MA with C- or higher	ENGL 101 (AW)	3	GENED-NL*	4		
MATH 141	GENED-OC	3	GENED-HS*	3		
CMSC 131	CMSC 100	1	TLPL 102 (SP in combination with TLPL 101)	2		
CMSC 131	TLPL 101	1 1	TEFE 102 (3F III COMBINATION WITH TEFE 101)			
CIVISC 152	UNIV 100	1 1	-			
	Total		Total	17		
				17		
Year 2	Fall	Cr.	Spring	Cr		
Benchmark 2	TLPL 414 (HS)	3	CMSC 330	3		
Test of Basic Skills	CMSC 216	4	CMSC 351	3		
	CMSC 250	4	MATH 240	4		
	GENED-HU*	3	GENED-NS	3		
	Elective	1	GENED-HU	3		
	Total	15	Total	16		
Year 3	Fall	Cr.	Spring	Cr		
Gateway Requirements	TLPL 401	3	EDHD 426	3		
TLPL 401 with B- or higher	CMSC 4xx	3	TLPL 415	3		
	CMSC 4xx	3	CMSC 4xx	3		
Apply to the COE by Dec. 1st	STAT 4xx	3	CMSC 4xx	3		
Cumulative GPA of 2.75	GENED-SP (non-major)	3	ENGL 393 (PW)	3		
	Total	15	Total	15		
Year 4	Fall	Cr.	Spring	Cr		
	YEARLONG INTERNSHIP					
	CMSC xxx	3	TLPL 478D	1		
	CMSC 4xx	3	TLPL 489D	12		
	CMSC 4xx	3	TLPL 477	2		
	TLPL 403	3				
	TLPL 479D	1				
	GenEd*	3				
	Total	16	Total	15		

This is a proposed plan and the College of Education does not guarantee that these courses will be offered in the designated semester. Consult the *Schedule of Classes* for class availability and meeting times.

Students must also meet with their Academic Advisor in CMNS to discuss the CMSC course requirements. tt.umd.edu

^{*} All students must complete two Distribute Studies courses that are approved for Big Questions courses. Students must complete Understanding Plural Society and Cultural Competence courses that may also fulfill a Distributive Studies category.

Secondary Science Education/Computer Science Double Major

Benchmarks

45-credit review

Completion of English and Math fundamental studies with a C- or better Minimum cumulative GPA of 2.75

75-credit review

Passing scores on a Test of Basic Skills

Minimum cumulative GPA of 2.75

Submission of FC/MCEE Self-Assessment

Admission to the full degree/professional program (0834P)

TLPL 401 with grade of B- or better

Satisfactory completion of other Computer Science Gateway courses

Double Major with Computer Science on file

90-credit review:

Passing scores on a Test of Basic Skills

Minimum cumulative GPA of 2.75

Satisfactory Evaluation on FC/MCEE

TLPL 415 with a C- or better

Double Major with Computer Science on file

105-credit review:

Passing scores on a Test of Basic Skills

Minimum GPA of 2.75

Satisfactory Evaluation on FC/MCEE and PBA

Passing Scores on the Praxis II - see Advisor for Details.

Students must successfully complete the edTPA

TLPL 403 with a C- or better

TLPL 479D with a Satisfactory grade, "S"

Double Major with Computer Science on file