

Curriculum (updated January 2020)

Bachelor of Science in Software Engineering									
UNIVERSITY CORE REQUIREMENTS (27 hours)					DEPARTMENTAL REQUIREMENTS (71 hours)				
	Sch	Hr	Gr	QP		Sch	Hr	Gr	QP
EN 1103 English Composition I		3			CSE 1002 Intro to CSE		2		
EN 1113 English Composition II		3			CSE 1284 Intro Comp Programming		4		
MA (See Dept Req)					CSE 1384 Inter Comp Programming		4		
Natural Sciences (See Dept Req)					CSE 2383 Data Struc & Alg Anal		3		
Humanities Elective		3			CSE 2813 Discrete Structures		3		
Humanities Elective		3			CSE 3213 SE Senior Project I		3		
Fine Art Elective		3			CSE 3223 SE Senior Project II		3		
Social Science Elective		3			CSE 3324 Dist Client Server Prog		4		
Social Science Elective		3			CSE 4763 Legal & Ethical Issues in Com		3		
CO 1003 or CO 1013		3			CSE 4153 Data Communications		3		
GE 3513 (Writing)		3			CSE 4214 Intro Software Engineering		4		
Computer Literacy (See Dept Req)					CSE 4233 Soft. Arch. and Design		3		
					Cybersecurity Elective (3 hours)		3		
DEPARTMENTAL REQUIREMENTS (29 hours)					CSE 4283 Soft. Test and QA		3		
MA 1713 Calculus I		3			CSE 4503 Database Management		3		
MA 1723 Calculus II		3			CSE 4733 Operating Systems I		3		
MA 3113 Linear Algebra		3			CSE 4833 Intro. to Anal. of Alg.		3		
Math elective: MA 2733 Cal III, MA 3053 Foundations of Math., MA 4143 Graph Theory, MA 4173 Number Theory		3			CSE 4223 or IE 4533 (Proj. Mgt)		3		
IE 4613 Engineering Statistics I		3			ECE 3714 Digital Devices		4		
BIO 1134 Biology I		4			ECE 3724 Microprocessors I		4		
CH 1213 Chemistry I		3			Technical Elective		3		
CH 1211 Chemistry Lab		1			Free Electives		4		
PH 2213 Physics I		3							
Science Elective: PH 2223 Physics 2 CH 1223 Chemistry 2 & CH 1221 BIO 1144 Biology 2		3-4							

Note: All electives are listed on the reverse side of this page.
 Note: Total hours must be 128 or greater

*the last date the curriculum was changed

DEPARTMENTALLY APPROVED ELECTIVES

Fine Arts: (3 hours)

See <http://www.catalog.msstate.edu/> for most up-to-date listing of core curriculum (academic policies/general education requirements)

Humanities: (6 hours)

See <http://www.catalog.msstate.edu/> for most up-to-date listing of core curriculum (academic policies/general education requirements)

Social/Behavioral Science: (6 hours)

See <http://www.catalog.msstate.edu/> for most up-to-date listing of core curriculum (academic policies/general education requirements)

Cybersecurity Elective: (3 hours)

CSE 4243/ECE 4763 Information Security

CSE 4253 Secure SW Eng

CSE 4273 Digital Forensics

CSE 4383 Crypto & Network Security

CSE 4363 Reverse Engineering

CSE 4990 Special Topics (as approved)