

CIS/MACS Major/Minor Degree Requirements Checklist 2016-2017

CIS Major	MACS Major	CIS Minor
<input type="checkbox"/> CIS 210 ¹	<input type="checkbox"/> CIS 210 ¹	<input type="checkbox"/> CIS 210 ¹
<input type="checkbox"/> CIS 211 ¹	<input type="checkbox"/> CIS 211 ¹	<input type="checkbox"/> CIS 211 ¹
<input type="checkbox"/> CIS 212 ¹	<input type="checkbox"/> CIS 212 ¹	<input type="checkbox"/> CIS 212 ¹
<input type="checkbox"/> CIS 313 (theory 1)	<input type="checkbox"/> CIS 313	<input type="checkbox"/> CIS 313
<input type="checkbox"/> CIS 315 (theory 2)	<input type="checkbox"/> CIS 315	
<input type="checkbox"/> CIS 314 (systems 1)	<input type="checkbox"/> CIS 314	
<input type="checkbox"/> CIS 330 (systems2)		
<input type="checkbox"/> CIS 415 (systems3)		
<input type="checkbox"/> CIS 422 (software methods)		
<input type="checkbox"/> CIS 425 (languages)	<input type="checkbox"/> CIS 425	
<input type="checkbox"/> CIS upper division elec/track	<input type="checkbox"/> choose 1:	<input type="checkbox"/> CIS u.d. elective
<input type="checkbox"/> CIS upper division elec/track	<input type="checkbox"/> CIS 330, 420, 422	<input type="checkbox"/> CIS u.d. elective
<input type="checkbox"/> CIS upper division elec/track	<input type="checkbox"/> CIS u.d. elective	
<input type="checkbox"/> CIS u.d. elec/track or other ²	<input type="checkbox"/> CIS u.d. elective	
<input type="checkbox"/> CIS u.d. elec/track or other ²		
<hr/>		
15 classes/60 credits	10 classes/40 credits	6 classes/24 credits
<input type="checkbox"/> MATH 231 ¹	<input type="checkbox"/> MATH 231 ¹	<input type="checkbox"/> MATH 231 ¹
<input type="checkbox"/> MATH 232 ¹	<input type="checkbox"/> MATH 232 ¹	<input type="checkbox"/> MATH 232 ¹
<input type="checkbox"/> MATH 246 or 251 or 261		
<input type="checkbox"/> MATH 247 or 252 or 262	<input type="checkbox"/> MATH 251 or 261	
<input type="checkbox"/> MATH approved list ³	<input type="checkbox"/> MATH 252 or 262	
<input type="checkbox"/> MATH approved list ³	<input type="checkbox"/> MATH 253 or 263	
<input type="checkbox"/> MATH u.d. elec/CIS approved list ⁴	<input type="checkbox"/> MATH u.d. elective	
	<input type="checkbox"/> MATH 315	
	<input type="checkbox"/> MATH 341	
	<input type="checkbox"/> MATH 342	
	<input type="checkbox"/> <input type="checkbox"/> MATH 351, 352 or	
	<input type="checkbox"/> <input type="checkbox"/> MATH 462, 462	
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7 classes/28 credits	11 classes/44 credits	2 classes/8 credits
<input type="checkbox"/> Science ^{5,6}	<input type="checkbox"/> Science ⁵	
<input type="checkbox"/> Science	<input type="checkbox"/> Science	
<input type="checkbox"/> Science	<input type="checkbox"/> Science	
<hr/>		
3 classes/12 credits	3 classes/12 credits	
WR 320 or 321	WR 320 or 321	
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1 class/4 credits	1 class/4 credits	
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TOTAL: 26 classes/104 credits	25 classes/100 credits	8 classes/32 credits

¹B- or better CIS 210, 211, 212, Math 231, 232 to advance to upper division classes. One C may be permitted with approval (submit CIS prerequisite override request).

²For example, honors thesis, seminars, capstone project, other independent study courses, or additional CIS upper division electives. Maximum of 4 credits permitted for any course number.

³Math 233, 253, 263, 341, (343 or 425)

⁴CIS 413, 420, 427, 473, 410crypto

⁵See website - Physics, Chemistry, Biology, Psychology, Geological Sciences, Geography.

⁶A minor in a computing-related discipline may be substituted for CIS Science requirement, with approval (submit CIS petition).