	CS-CS Current	CS-General w/o minor or 2nd major (Effective Fall 2020)	CS-General with minor or 2nd major (Effective Fall 2020)	CS- 1 of 5 concentrations (effective Fal 2020)
Natural Sciences	12 credits - Current department restrictive list or may select sciences from *new* CS curriculum department approved list	7 credits - broader science choice, but still restricted subset of AUCC natural science list	7 credits - broader science choice, but still restricted subset of AUCC natural science list	7 credits - broader science choice, but still restricted subset of AUCC natural science list
CALC 1	MATH 160 or CALC 1 for computational sciences.	MATH 160 or CALC 1 for computational sciences.	MATH 160 or CALC 1 for computational sciences.	MATH 160 or CALC 1 for computational sciences.
MATH 161	Required	No, unless choose MATH 160 --> MATH 161 --> MATH 369 as linear algebra sequence	No, unless choose MATH 160 --> MATH 161 --> MATH 369 as linear algebra sequence	Required if choose AI/ML concentration or choose MATH 160-->MATH 161--> MATH 369 linear algebra sequence
Linear Algebra	MATH 229, MATH 369, or DSCI 369	MATH 369 or DSCI 369; for students moving from current to new we will sub MATH 229 if requested at time of major change and if completed by Spring 2021	MATH 369 or DSCI 369; for students moving from current to new we will sub MATH 229 if requested at time of major change and if completed by Spring 2021	MATH 369 or DSCI 369; for students moving from current to new we will sub MATH 229 if requested at time of major change and if completed by Spring 2021
Typical Linear Algebra sequences	(1) MATH 160 --> MATH 161 --> Approved Linear Algebra	(1) MATH 160 --> MATH 161 --> Approved Linear Algebra; or (2) CALC 1 for Computational Sciences --> Approved Linear Algebra	(1) MATH 160 --> MATH 161 --> Approved Linear Algebra; or (2) CALC 1 for Computational Sciences --> Approved Linear Algebra	If AI concentration then (1) MATH 160 --> MATH 161 --> Approved Linear Algebra; else same as CS-General
Technical Electives	3 technical electives required from a broad list or any *upper division* course on new tech elective list (including CS and IDEA upper division courses). MATH 369 may double count for linear algebra and tech elective.	2 technical electives required; MATH 369 does not double count, one must be upper division, MATH 161 is on list, some tech electives on current list may not be on new list	No technical electives required	Some concentration require none, some one, some two. See concentration checksheets for more details
Upper division CS courses	8 total required, CS 314, 320, 356, 370; and 4 CS 4xx of your choosing	9 total required, CS 314, 320, 370; 2 upper division, 4 CS 4xx	8 total required, CS 314, 320, 370; 2 upper division, 3 CS 4xx	9 - 10 upper division CS courses required
Minor	CS credits may double count for minor and double major	CS credits may double count for minor and double major	CS credits may NOT double count for (minor or 2nd major)	CS credits may double count for minor and double major
AUCC Arts & Humanities	Any two from AUCC list	One must be CS 201; for students moving from current to new, we will waive CS 201 if requested at time of major change if both A&H completed by Srping 2021; will waive in cases where university does not require AUCC courses such as 2nd bachelors or associates degree.	One must be CS 201; for students moving from current to new, we will waive CS 201 if requested at time of major change if both A&H completed by Srping 2021; will waive in cases where university does not require AUCC courses such as 2nd bachelors or associates degree.	One must be CS 201; for students moving from current to new, we will waive CS 201 if requested at time of major change if both A&H completed by Srping 2021; will waive in cases where university does not require AUCC courses such as 2nd bachelors or associates degree.
42 upper division credits		If sub MATH 229 for MATH 369, make sure have 42 upper division credits	If sub MATH 229 for MATH 369, make sure have 42 upper division credits	If sub MATH 229 for MATH 369, make sure have 42 upper division credits

Guidelines for deciding whether to stay on current BS-CS-CS curriculum or move to new BS-CS curricululm
* The closer you are to graduation, the more it makes sense to stay on the current curriculum.
* If you are committed to a minor (except math due to double counting restriction) or 2nd major, the new curriculum will make sense for most all students
* Understand the max number of CS courses you wish to take in one semester, we recommend no more than 3. If adding the one extra CS course for the new curriculum's non-minor option causes you to
Effective Fall 2020
* Note: DARs is official curriculum, check with DARs (except for CS 201 waiver and MATH 229 substitution) before switching to new curriculum