ASSOCIATE IN SCIENCE (A.S.)

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Oakton offers an Associate in Science (A.S.) degree for students intending to transfer into baccalaureate programs in fields such as engineering, mathematics or the sciences. Oakton's A.S. degree is offered with emphasis for either Mathematics/Computer Science or Science majors.

Students who have decided on their baccalaureate major should select a suitable pre-major from the list of available pre-majors for Associate in Science degree (p.). **General education courses should be selected from the list of** IAI General Education Courses**.**

Associate in Science Degree

60-62 Semester Credit Hours; Curriculum: 0650 for Science or Mathematics

Code	Title	Hours
General Education Requirements:		
Area A - Communications		
EGL 101	Composition I	3
EGL 102	Composition II	3
SPE 103	Effective Speech	3
Area B - Mathematics		
Select two of the following:		9
MAT 131	Elementary Statistics	
MAT 250	Calculus I	
MAT 251	Calculus II	
MAT 252	Calculus III	
Area C - Science		
Three science courses: at least one from the Life Sciences and at least one from the Physical Sciences; at least one of these courses must be a lab course		10-12
Area D - Social and Behavioral Sciences		
Two courses from two different social or behavioral science disciplines		6
Area E - Humanities/Fine Arts		
Two courses from the Humanities/Fine Arts; one course must be from Humanities and one course must be from Fine Arts		6
Area F - Global Studies [1]		
One course that satisfies Global Studies requirement		0-3
Area G - U.S. Diversity Studies [2]		
One course that satisfies U.S. Diversity Studies requirement		0-3
Total Hours		**40-42**

1 Course fulfills the Global Studies Requirement. At least one Global Studies course is required for degree completion.

2 Course fulfills the U.S. Diversity Requirement. At least one U.S. Diversity course is required for degree completion.

Code	Title	Hours
Major Requirements for Mathematics/Computer Science Majors		
Select one of the following:		3
CSC 170 & CSC 171	Introduction to Numerical Methods and C++ Programming for Engineers	
CSC 170 & CSC 172	Introduction to Numerical Methods and FORTRAN Programming for Engineers	
CSC 170 & CSC 173	Introduction to Numerical Methods and Java Programming for Engineers	
CSC 155	C++ Computer Science I	
CSC 156	Java Computer Science I	
CSC 157	Python Computer Science I	
Select at least 17 credit hours from the following disciplines:		17
Biology (BIO); Chemistry (CHM); Computer Science (CSC); Earth Science (EAS); Engineering (ENG); Mathematics (MAT) (except MAT 102, 111, 114, 116); Physics (PHY) (except PHY 101)		
Total Hours		**20**

Code	Title	Hours
Major Requirements for Science Majors		
Select at least 20 credit hours from the following disciplines:		20
Biology (BIO); Chemistry (CHM); Computer Science (CSC); Earth Science (EAS); Engineering (ENG); Mathematics (MAT) (except MAT 102, 111, 114, 116); Physics (PHY) (except PHY 101)		
Total Hours		**20**