

VISUALIZATION - BS

Program Requirements

First Year

Fall		Semester Credit Hours
ARTS 115	Drawing for Visualization ¹	3
MATH 150 or MATH 151	Functions, Trigonometry and Linear Systems or Engineering Mathematics I	4
VIST 105	Principles of Design I ¹	3
VIST 131	First Year Seminar ¹	1
VIST 172	Foundations of Visual Computing ¹	3
Semester Credit Hours		14

Spring

ARTS 149 or ARTS 150	Art History Survey I ¹ or Art History Survey II	3
MATH 151 or MATH 152	Engineering Mathematics I or Engineering Mathematics II	4
VIST 106	Principles of Design II ¹	3
VIST 110	Design Innovation ¹	3
VIST 173	Foundations of Visual Computing II ¹	3
Semester Credit Hours		16

Second Year

Fall		Semester Credit Hours
ARTS 339 or ARTS 349	Themes in Contemporary Art ¹ or The History of Modern Art	3
PHYS 201	College Physics	4
VIST 210	Time and Interaction ¹	3
VIST 272	Visual Computing ¹	3
VIST 275	Production Techniques ¹	3
Semester Credit Hours		16

Spring

ENGL 104	Composition and Rhetoric	3
VIST 206	Visual Studies Studio I ¹	3
Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)		4
Directed elective ^{1,2}		3
Supporting elective ^{1,3}		3
Semester Credit Hours		16

Third Year

Fall		Semester Credit Hours
VIST 305	Visual Studies Studio II ¹	3
VIST 339	Research Techniques in Visualization ¹	3
Communication (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication)		3
Social and behavioral sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences)		3

Directed elective ^{1,2}	3
Semester Credit Hours	15

Spring

VIST 301 or VIST 494	Field Studies in Design Innovation ^{1,4} or Internship	6
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) ⁴		3
Supporting elective ^{1,3,4}		3
General elective ^{4,5}		3
Semester Credit Hours		15

Fourth Year

Fall		Semester Credit Hours
HIST 105	History of the United States	3
VIST 405 or VIST 409	Visual Studies Studio III or Capstone Studio	3
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science)		3
Directed elective ¹		3
Supporting elective ²		3
Semester Credit Hours		15

Spring

HIST 106	History of the United States	3
VIST 409	Capstone Studio ¹	3
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science)		3
Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)		1
Directed elective ^{1,2}		3
Semester Credit Hours		13
Total Semester Credit Hours		120

¹ Must make a grade of C or better.

² Select from ARTS 210, ARTS 212, ARTS 303, ARTS 304, ARTS 305, ARTS 308, ARTS 312, ARTS 315, ARTS 325, ARTS 328, ARTS 341, ARTS 353, VIST 235, VIST 282, VIST 283, VIST 284, VIST 310, VIST 357, VIST 370, VIST 372, VIST 386, VIST 439, VIST 465, VIST 470, VIST 472, VIST 474, VIST 476/CSCE 447, VIST 477/CSCE 446, VIST 480, VIST 487/CSCE 443.

³ Select from ARTS 200-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/arts/>); VIST 200-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/vist/>) (except 301, 311, 331, 494).

⁴ Semester Away: May be satisfied by study abroad, at another university, internship, or special arrangement by advisor or instructor. Electives may be taken online, distance education, at another university or college, or at study abroad university.

⁵ Select from any 300-499 course not used elsewhere. If you do not participate in study abroad, 3 hours will come from International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>).

Students must also make a grade of C or better in any course used as an equivalent substitution for Visualization courses that satisfy degree requirements.