

US 3D Animation School Survey

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Introduction

In this document we present the results of a survey of faculty members teaching in programs where course in 3D Computer Graphics and Animation are offered in the United States. The survey consists of 30 questions and was conducted on-line through SurveyMonkey.com. Replies were solicited at SIGGRAPH 2010, via the website of the ACM SIGGRAPH Education Committee and the associated mailing list 'cg-educators@siggraph.org', and directly through e-mails. The survey was open from August 2010 through to January 2011.

Results

The survey was started with 105 respondents, tapering off to 77 who finished the entire survey. Respondents were allowed to skip questions.

Without any further analysis, this document presents the result of the survey as graphs with the response count or percentage for each available option in the multiple choice questions. When under 'other' a specific answer was given a number of times, it has been included in the graphs as separate category with those answers not being counted towards the general 'other' category. The survey did contain a few open questions, for these similar answers have been grouped together in order for them to be tallied and presented in the form of a graph.

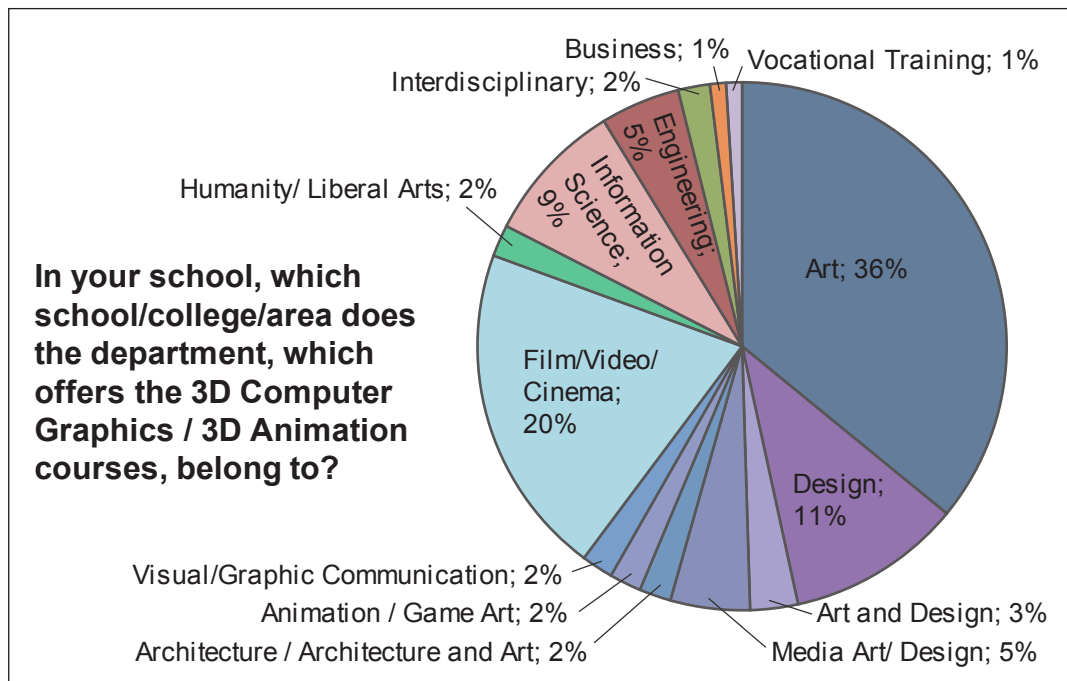
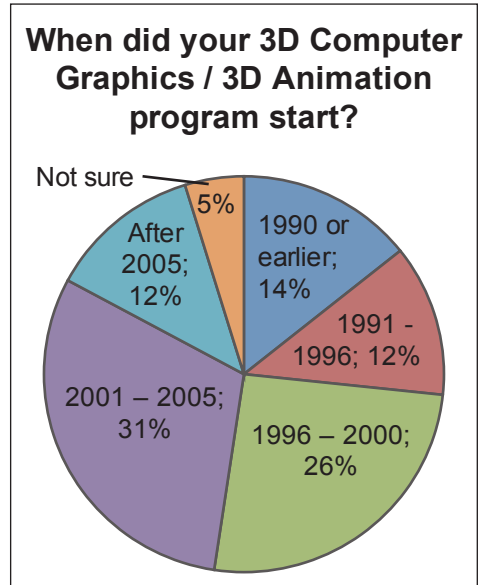
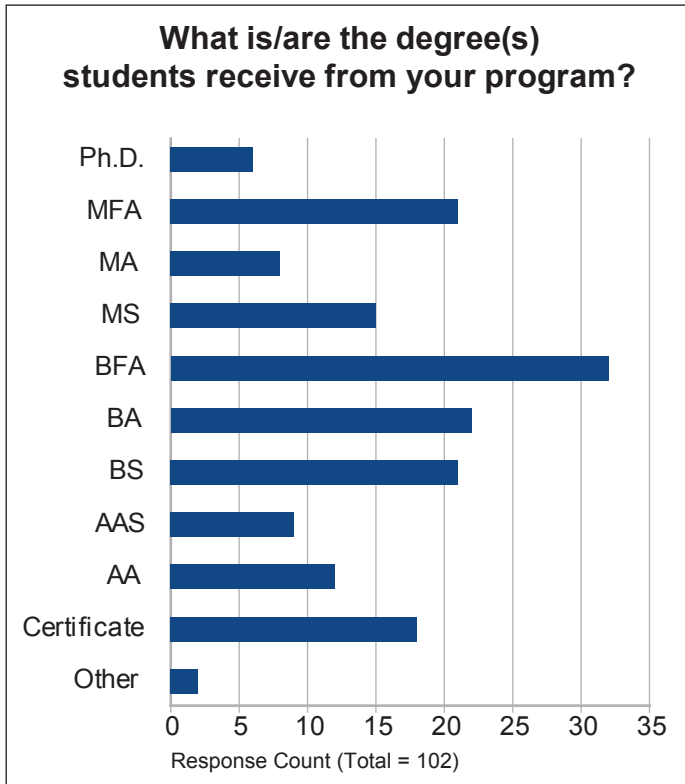
A similar survey was conducted earlier in Japan. A comparison between the two surveys with more in depth analysis will be presented at SIGGRAPH ASIA 2011 under the title "3D Animation Education in the US and Japan: Different Environments, Similar Issues". The abstract for this sketch will be available through the ACM digital library.

Acknowledgment

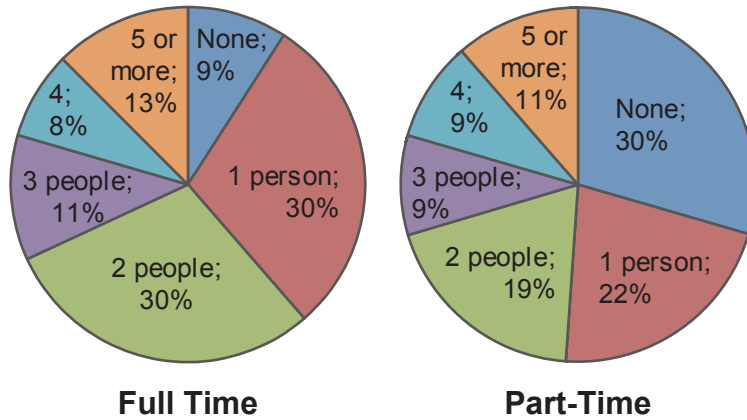
First we would like thank the faculty members who took time and responded to the surveys. Without their cooperation, this research were not possible.

We would also like to thank the Computer Graphic Arts Society (CG-Arts) which conducted the earlier survey in Japan, and Marc Barr and the ACM SIGGRAPH Education Committee for allowing us to solicit responses through their communication channels.

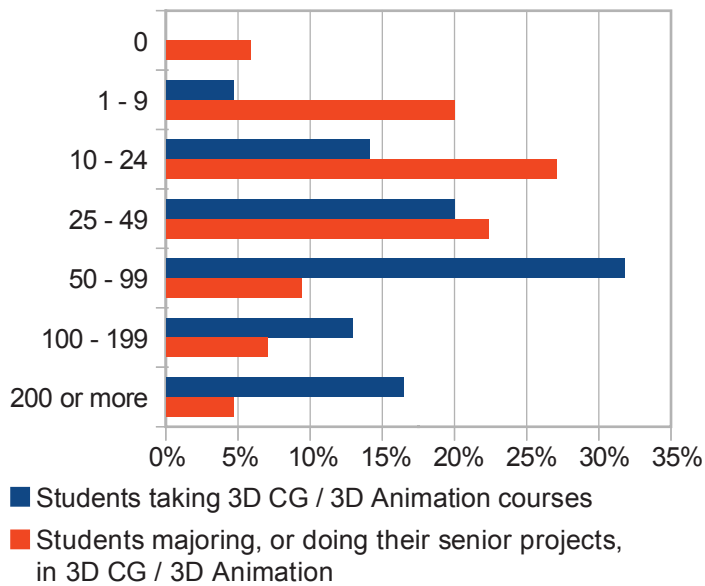
Outline of School



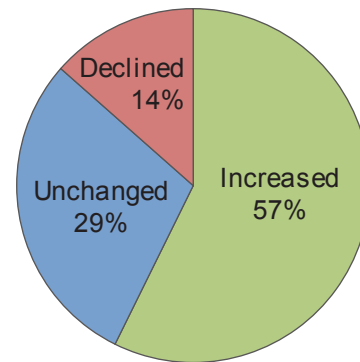
Number of instructors teaching 3D CG/Animation

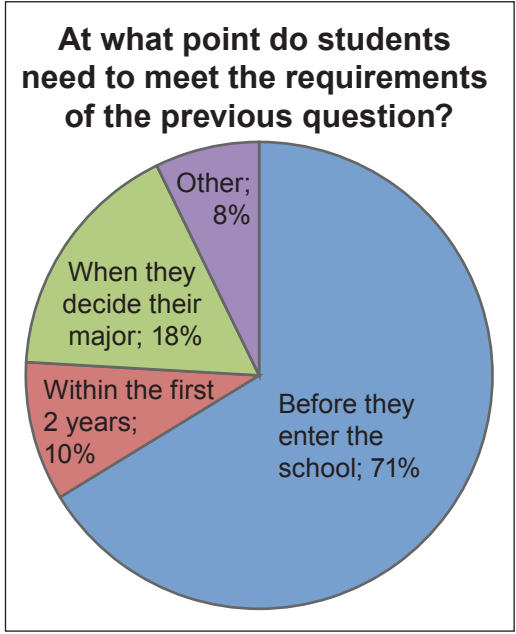
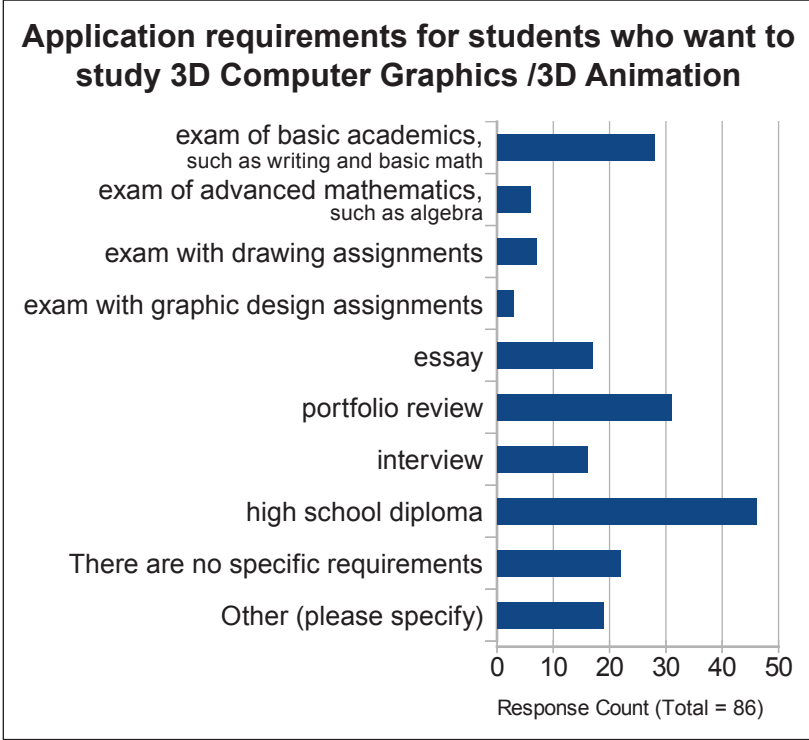
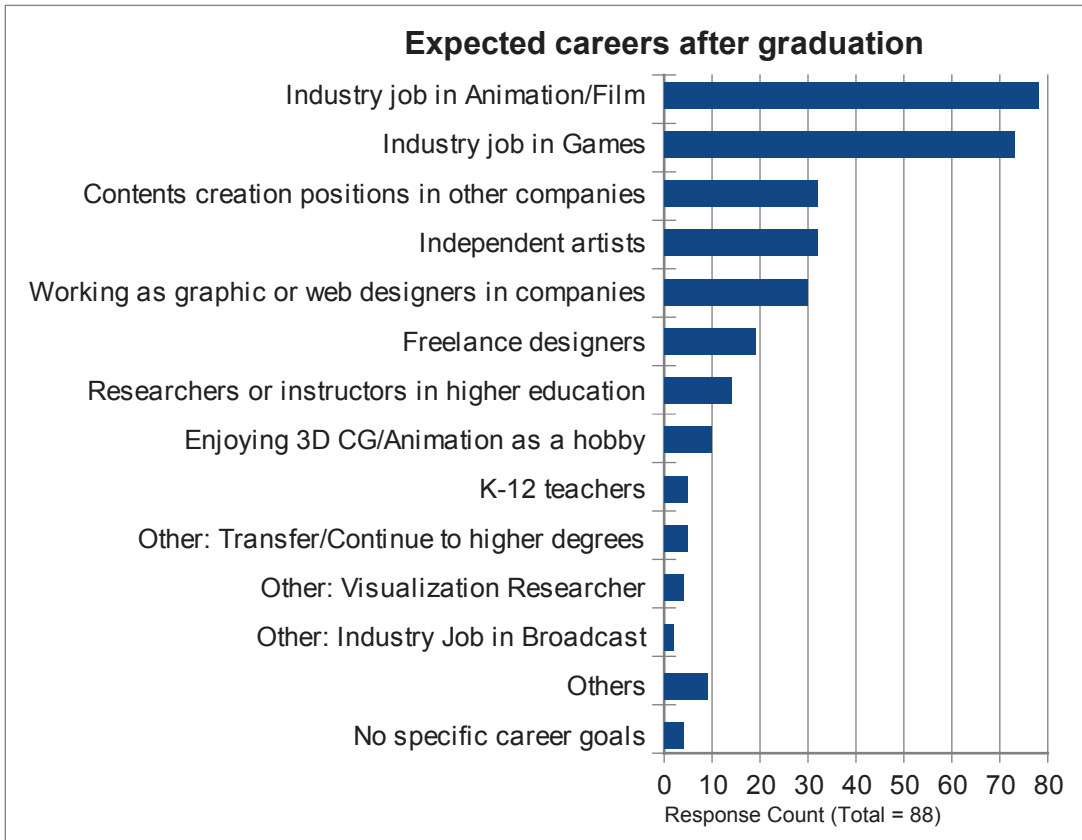


Student Numbers (total on average each year)



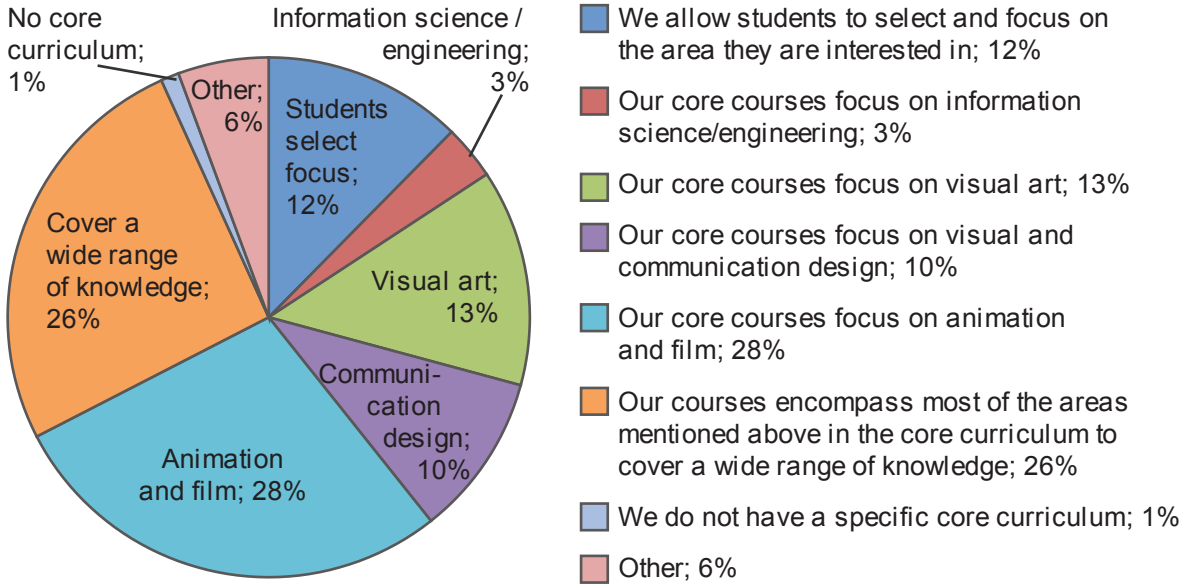
Change in the Number of Students Majoring in 3D CG / 3D Animation in Last 5 Years





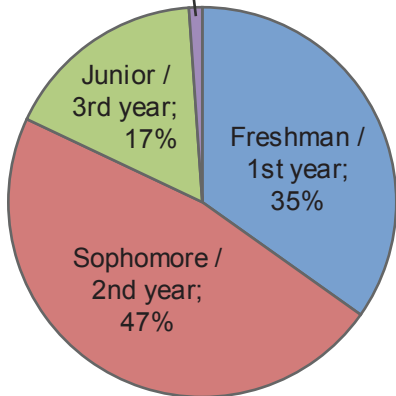
Curriculum outline

**There is wide range of knowledge related to 3D CG/ Animation.
How does your curriculum deal with this issue?**

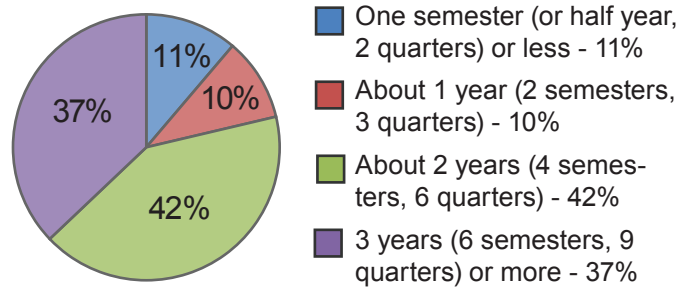


When do students start 3D CG/Animation courses?

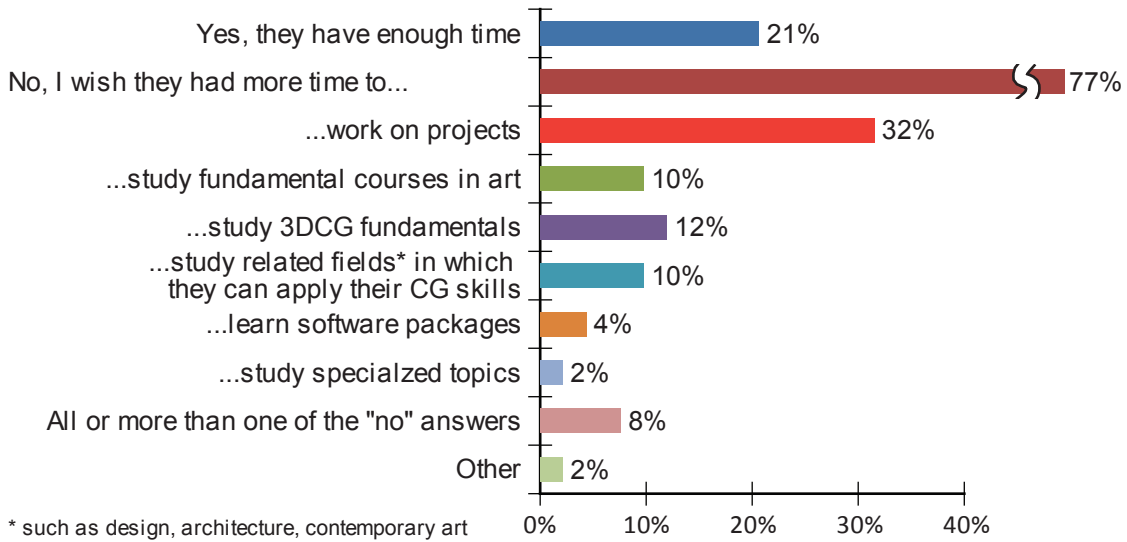
Senior / 4th year or beyond; 1%



Average length of the time students study and/or create works in 3D CG/3D Animation.



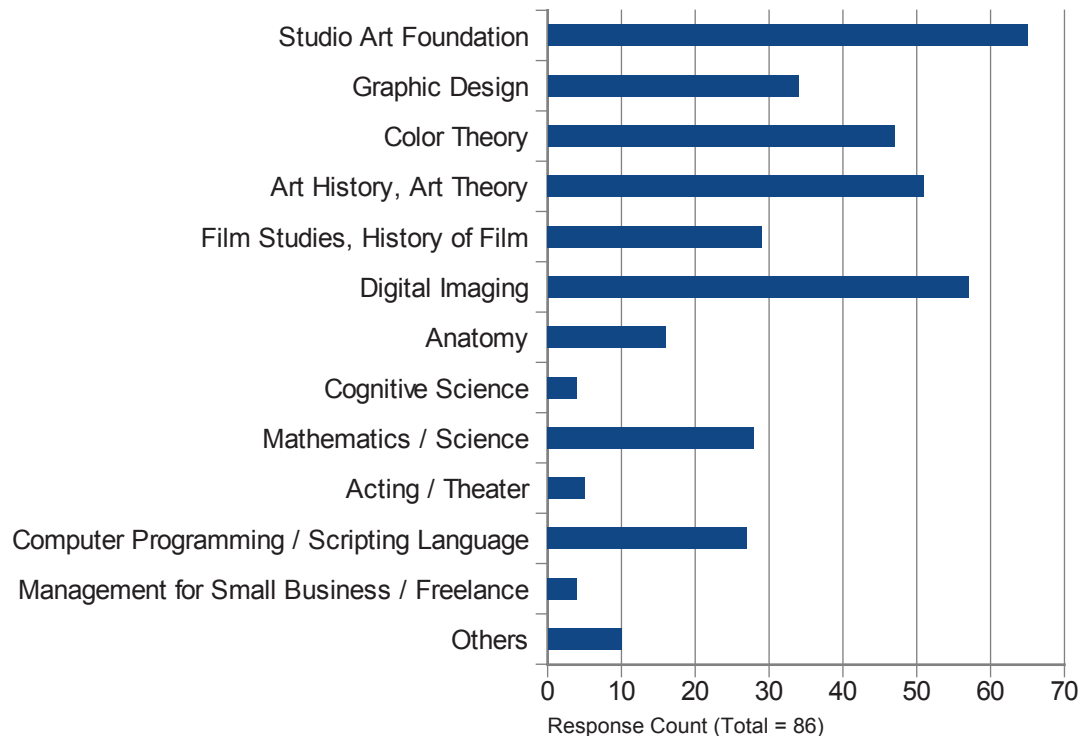
Do you feel the students in your program have enough time to study/work on 3D CG/3D Animation projects?



Fundamental Courses

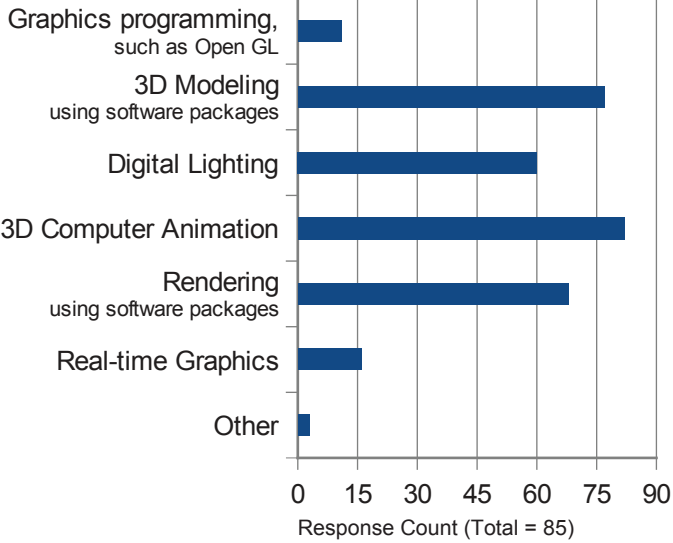
“Required courses” include the required courses for your program and/or strongly recommended courses, which majorities of students in your program actually take.

Required fundamental courses for 3D CG/Animation major students

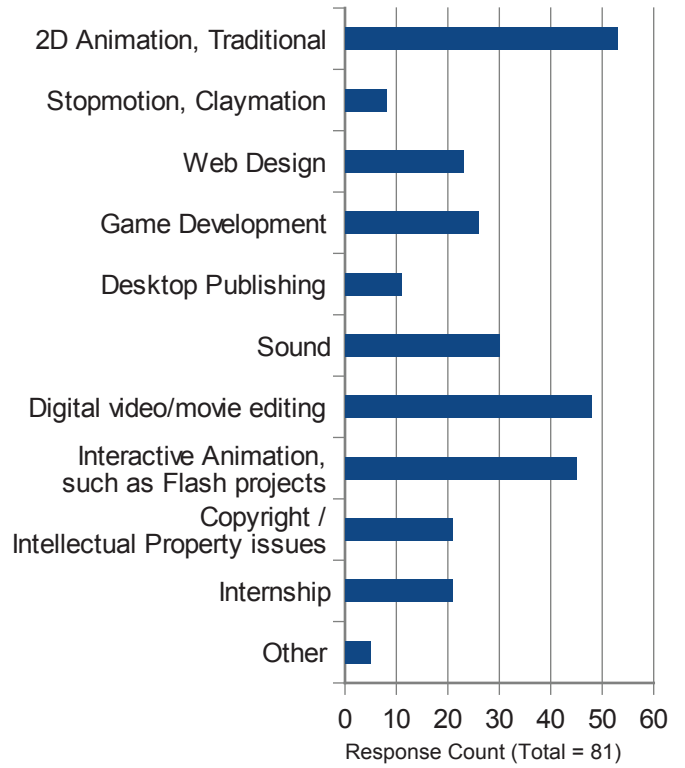


Advanced Courses

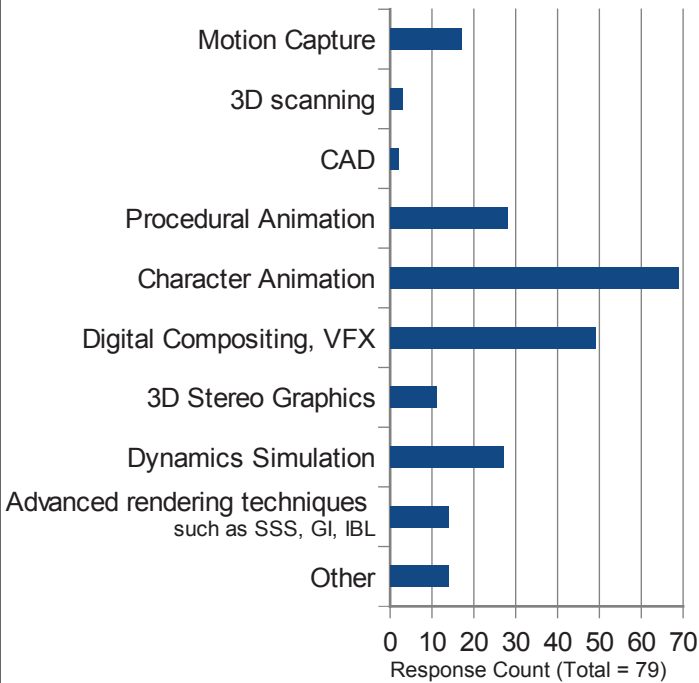
Required fundamental topics for 3D CG/Animation majors



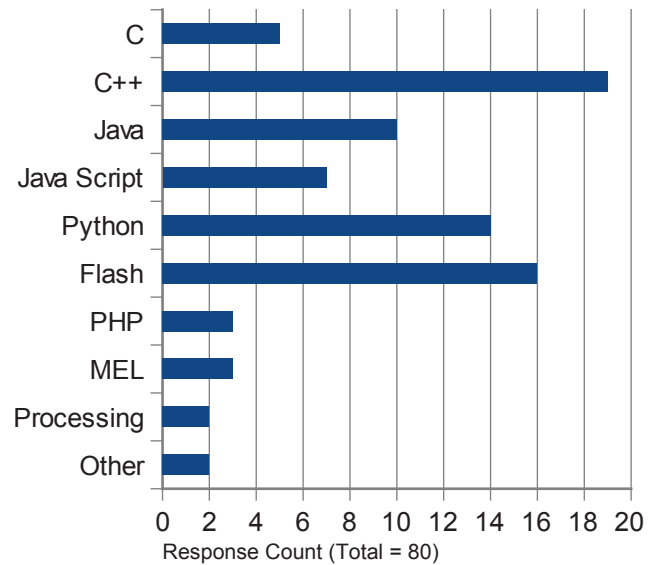
Required courses/topics in related fields for 3D CG/Animation majors

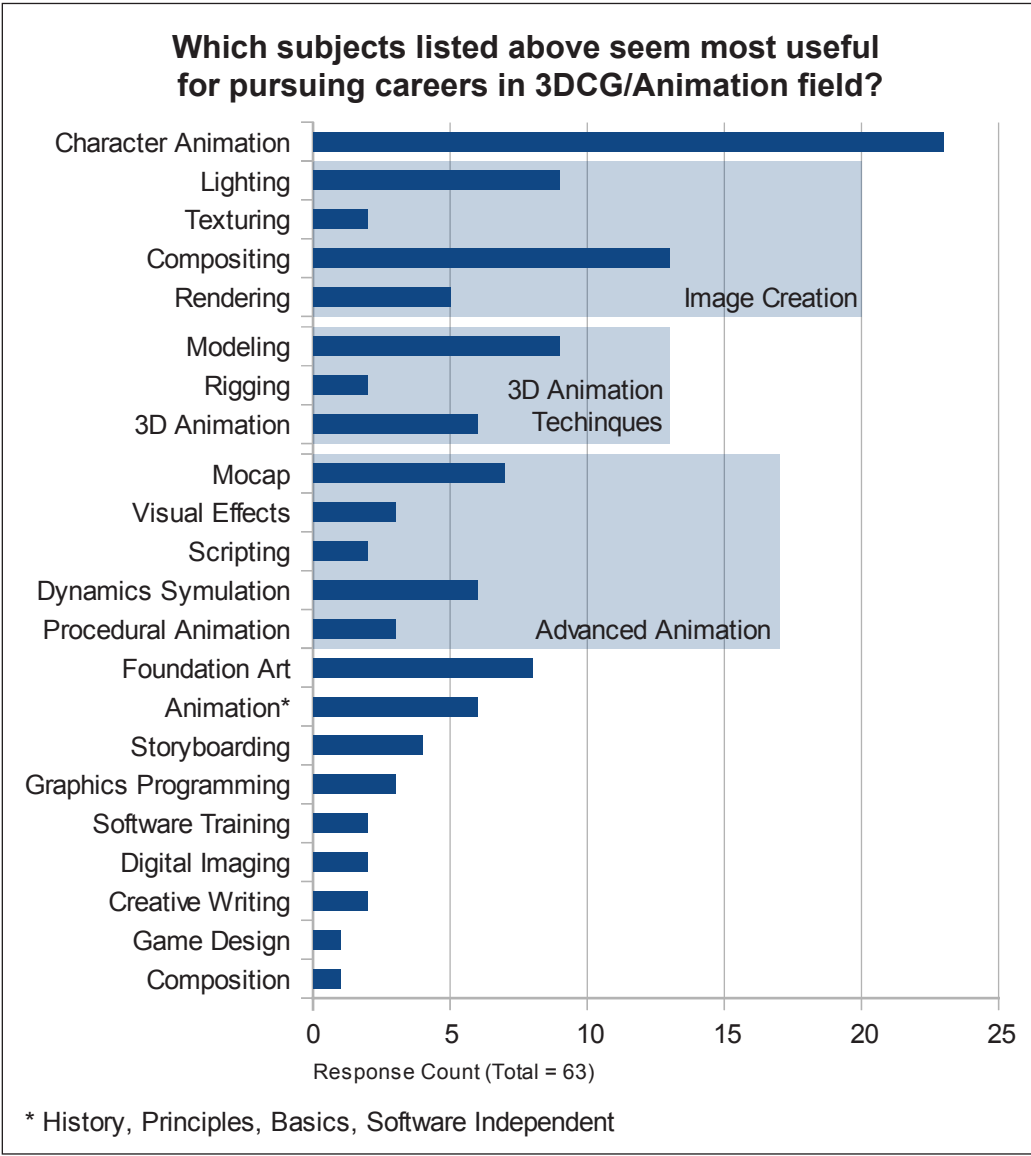


Required advanced topics for 3D CG/Animation majors

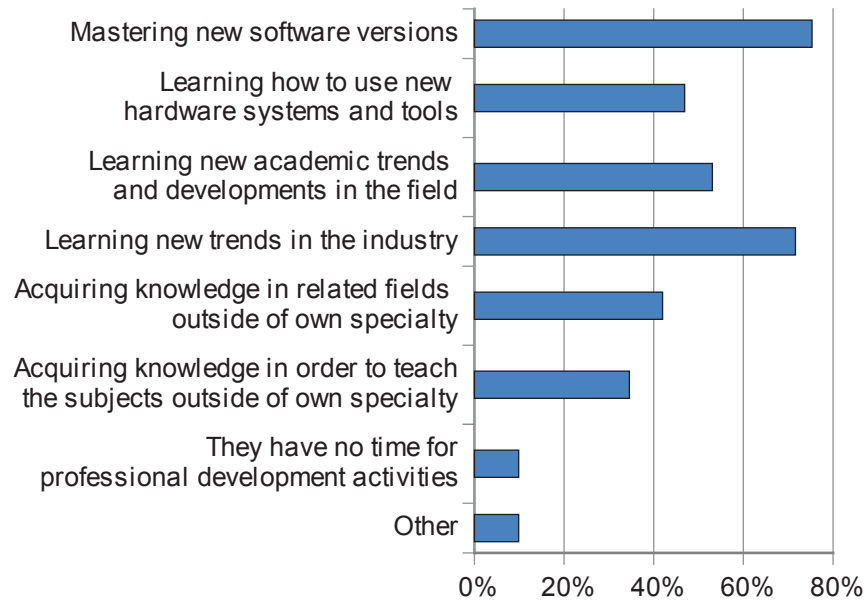


Programming/scripting languages

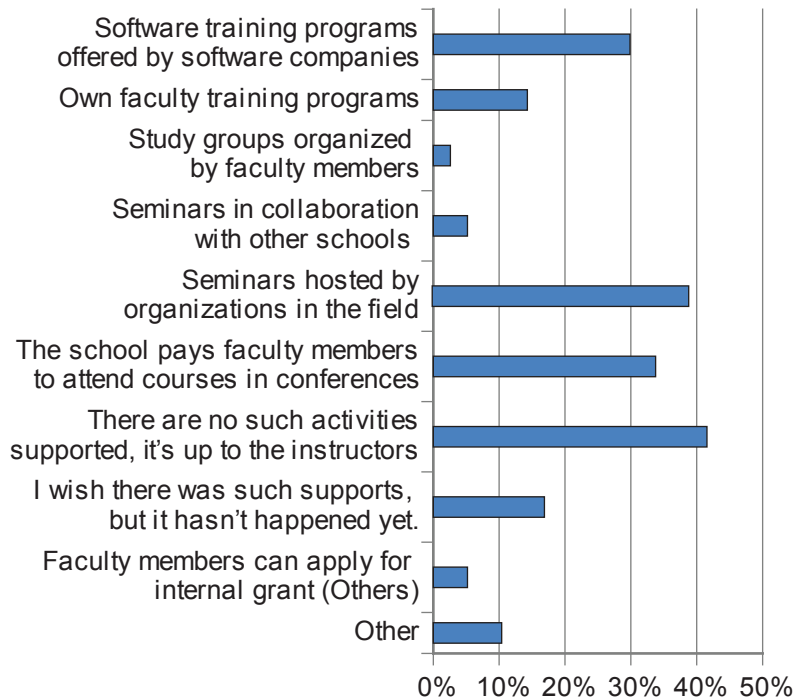




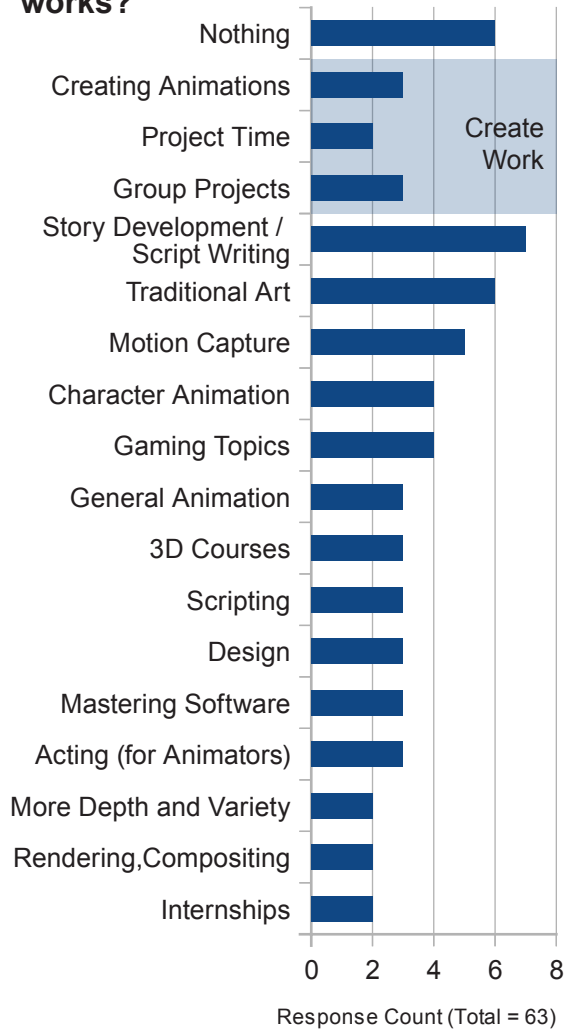
Professional development activities that instructors teaching 3D CG/3D animation spend time outside of teaching, research and/or creative activities.



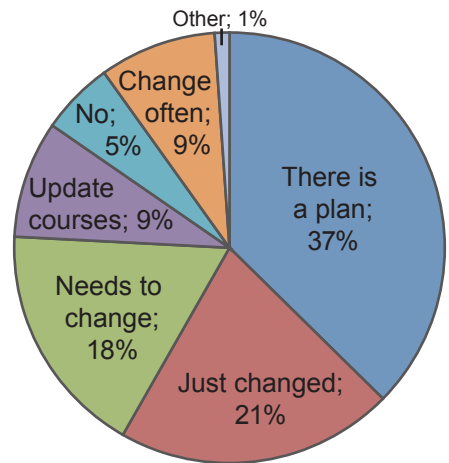
Professional development activities listed above that are hosted or financially supported by the school



In the current curriculum, what kind of subjects you feel necessary to be added or increased, in order to help students to create higher quality works?

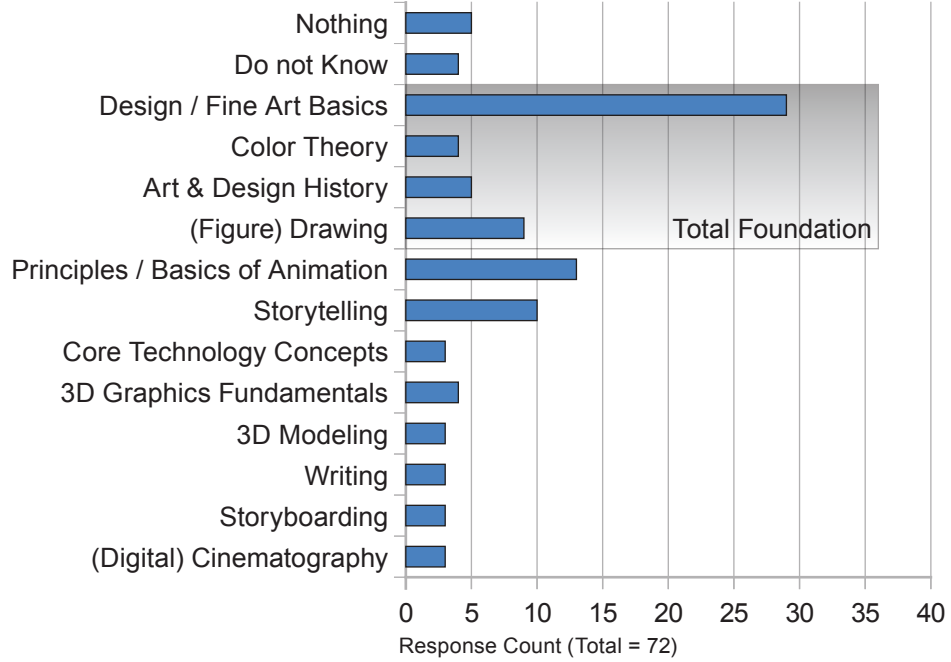


Do You Feel the Current Curriculum Needs to Be Changed in the Next 5 Years?



- There is a plan to change the curriculum
- We just changed our curriculum
- I feel the curriculum needs to be changed
- I don't feel the curriculum has to be changed, but the courses needs to be updated
- I don't feel that we need to change the current curriculum or course courses soon
- We update curriculum all the time
- Other

Fundamental Aspects of the Curriculum That Will Be Unchanged 20 Years from Now.



Sustainability of curriculum

