

Computer Science 104
Fall 2011

Homework Assignment #1:

One page summary of how Computer Science has impacted your desired field

Due: September 7

Upload to elearning.ua.edu by 11:59pm on September 7.

Background:

Based on the field in which you wish to major or are interested in as a career, research how Computer Science has changed that field. For example, in business, software allows for better tracking of data, which provides for more sophisticated analytics and forecasting. Another example might be the life sciences (e.g., biology) or medicine/nursing, where the deep needs of computation have assisted in things like mapping of the human genome and new medical devices and analysis for extending life expectancy.

Questions to answer in the summary:

1. What is the selected field? Please include a small background of the field including why you have chosen the field.
2. How were tasks completed prior to the digital revolution?
3. Has using technology in the selected field increased or decreased jobs and why?
4. What are the direct benefits of Computer Science being integrated into the selected field?
5. What are the indirect benefits of Computer Science being integrated into the selected field?
6. Are there any negative aspects of integrating Computer Science into the selected field?

Deliverable:

- One page
- Times new roman
- 12 pt font
- Single-spaced
- One-inch margins
- Name and date in header
- Three references that are not websites

Grading:

Component	Points
Proper specs (length, font, margins, references, format)	10
Is each question discussed thoroughly in the paper	60 (10 points per question)
Creativity and quality of research	20
Spelling and grammar	10