

"Computer programming is a key skill of the computer scientist. We introduce programming using animation software called Alice. You'll even program your own game! While "playing" with pictures and sounds, you'll be learning key programming concepts while transitioning to Java and C++, two of the most popular and powerful programming languages in the world."

- **Bob Harder, Computer Science Professor**

Current Computer Science courses offered at Hesston College include:

- Computer Programming I (Java)
- Computer Programming II (C++)
- Web Authoring and Publishing
- Web Site Design
- Networking Technologies
- Computer Network Administration

The Computer Science curriculum provides the foundation courses needed for a career in computer science or computer engineering. You will get personalized attention while you learn computer programming, internet technologies and computer networking. You also study the science and math needed for success in this rewarding career track.

What degree will I earn?

As a Computer Science major, you will earn the Associate of Science degree as you complete about 60 college credit hours.

How will Hesston College prepare me for future studies?

The Occupational Outlook Handbook from the Bureau of Labor Statistics forecasts an overall 17% growth rate in computer occupations for 2012-2022. Since the Computer Science program provides a common core of knowledge used in these occupations, you will be well-prepared to continue on to a four-year degree in one of the following fields:

- Computer Architecture
- Systems Development
- Network Technology
- Database Administration
- Internet Technologies
- Computer Graphics
- Artificial Intelligence
- Computational Science
- Software Engineering
- Computer Education
- Information Security Analyst

Where can I find more information?

For more detailed information, check out the Hesston College CS/CIT web site, which was designed and coded as a class project by several recent Computer Information Technology graduates:

<http://www.cs.hesston.edu/>

START



**2016-2017 Plan of Study
Computer Science
Associate of Science Degree (4-year transfer)**

Recommended Computer Courses

| | | |
|----------|------------------------------|---|
| BuCS 123 | Web Authoring and Publishing | 3 |
| BuCS 126 | Networking Technologies | 3 |
| BuCS 138 | Computer Programming I | 3 |
| BuCS 238 | Computer Programming II | 3 |

Other Recommended Courses

| | | |
|------------|---------------------|--------|
| MaSc 141 | Calculus I | 4 |
| MaSc 241 | Calculus II | 4 |
| Phys 203 | College Physics I | 4 or 5 |
| Phys 204 | College Physics II | 4 or 5 |
| - and/or - | | |
| Chem 121 | General Chemistry I | 4 or 5 |

| | | | |
|-----------------------------------|-----------|-------------------------------------|-----------|
| Fall – 1st year | 16 | Spring – 1st year | 15 |
| Computer Programming I | 3 | Computer Programming II | 3 |
| College Writing I | 3 | Web Authoring and Publishing | 3 |
| Social Science course | 3 | Speech or Humanities course | 3 |
| First Year Seminar | 1 | Biblical Literature | 3 |
| Math course -or- Elective* | 3 | Math course -or- Elective* | 3 |
| Elective | 3 | | |

| | | | |
|-----------------------------------|-----------|-------------------------------------|-----------|
| Fall – 2nd year | 14 | Spring – 2nd year | 15 |
| Calculus I | 4 | Calculus II | 4 |
| College Physics I | 4 | College Physics II | 4 |
| Speech or Humanities course | 3 | Integration source course | 3 |
| Networking Technologies | 3 | Responsibility source course | 3 |
| | | Lifetime Fitness and Wellness | 1 |

* Calculus I and Calculus II can be taken in the first year. Take Precalculus in the Spring, if needed.

Why should I choose Hesston College?

Hesston College instructors pay attention to you and your education. They are available to work with you individually, helping you to achieve your educational goals both in and outside of class.

The CIT computer lab is managed and maintained by students, who gain practical experience working on equipment, helping other students, and working with real-world "clients." As a member of the Microsoft Developer Network Academic Alliance (MSDNAA), Hesston College makes much of the software you'll be using available to you at no charge.

For more information, check out the CIT web site (also designed by students)
<http://www.cs.hesston.edu>