

Ozarks Technical Community College  
**COMPUTER INFORMATION SCIENCE**  
Certificate and AAS Degree  
Preferred Course Sequence  
Department Chair - George Gibeau, 447-8292, GRF 100

Semester I	Semester II	Semester III	Semester IV
<sup>3</sup> Personal Computer Applications CIS 101  3	College Accounting I ACC 120 (or ACC 220)  3	Database and Query CIS 250  3	<sup>2</sup> Software Engineering Project CIS 260  3
Principles of E-Business CIS 115  3	Communications/English Elective  (B)* 3	Web Site Development II CIS 131  3	Occupational Seminar TEC 285  1
Programming Logic & Design CIS 120  3	Web Site Development I CIS 130  3	<sup>4</sup> Beginning Programming Language (CIS 150 or CIS 170)  3	Co-op Ed./Intern Related Elective CIS 290  3
Composition I ENG 101  3	<sup>4</sup> Beginning Programming Language (CIS 150 or CIS 170)  3	Science Elective  (A)* 4	<sup>1</sup> American Gov't & Politics PLS 101  3
Math Elective (MTH 110 or higher)  3	Related Elective  3	<sup>4</sup> Advanced Programming Language (CIS 151 or CIS171)  3	Related Elective  3
15	15	16	Related Elective  3
<b>Certificate</b> 30 hours		<b>AAS Degree</b> 62 hours	

**Note: \*(A), (B) please see back for additional course information.**

**Certificate = Courses within bold border**

<sup>1</sup> May substitute HST 120 and HST 130 for PLS 101 to satisfy Missouri law to include instruction in Federal and State Constitution.

<sup>2</sup> Student must earn a grade of "C" or better in this course to meet CIS graduation requirements.

<sup>3</sup> CIS 110 may be substituted for CIS 101 however CIS 110 has a pre-requisite of CIS 101.

<sup>4</sup>All Students are required to take two beginning (CIS150/CIS170) and an advanced (CIS151/CIS171) course in one programming language.

**Related Electives**

Any related course from CIS numbered 112 or higher or from BUS or GDT or from ACC 125, NET 100, NET 102, NET 204, NET 210.

This block diagram is provided to aid in advising students and tracking course completion.

OTC reserves the right to modify course titles, sequences and content in accordance with college procedures.

***Not all courses are offered every semester. Check with the department chair for additional information.***

## **CIS**

### **A. OTC COURSES THAT SATISFY THE SCIENCE ELECTIVE REQUIREMENT:**

- BIO 100      Life Science
- BIO 105      Environmental Science
- BCS 120      Human Anatomy and Physiology
- BCS 140      Human Anatomy

Any other 4-hour BIO, BCS, CHM or PHY course numbered 100 or above will fulfill this requirement; however the others have a prerequisite.

### **B: OTC COURSES THAT SATISFY THE ENGLISH/COMMUNICATION REQUIREMENT:**

- COM 100      Intro to Communication
- COM 105      Public Speaking

Any other ENG or COM course numbered 100 or above will fulfill this requirement; however the others may have a prerequisite.