



FOUNTAINHEAD

College of Technology

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Richard W. Rackley - President/Executive Director

Computer Programming

The explosive impact of computers and information technology on our everyday lives has generated a need to design and develop new computer software systems and to incorporate new technologies into a rapidly growing range of applications. Software engineers working in applications or systems development analyze users' needs and design, construct, test, and maintain computer applications software or systems.

This program begins with training in the fundamentals of computers, with an intensive focus on computer programming. Students are expected to become proficient in Visual C#.NET, Visual Basic.NET, and ASP.NET. Also presented are XML, Java, Database Applications and Design as well as Structured Query Language (SQL). Students will also learn problem-solving, troubleshooting and repair skills for computers and basic computer-network configurations. The program is designed to prepare students to seek the Microsoft Certified Applications Developer certification (MCAD).

Associate of Occupational Science in Computer Programming Course Outline

BC205	A+ Essentials	4
BC206	A+ IT Technician	3
BC207	Introduction to Linux	3
BC204	Introduction to Networking	5
WS201	Web Site Design	3
PJ202	Project Management	3
PD203	Professional Development	3
DB201	SQL Database Management	3
PM205	Introduction to Programming	3
CP301	Visual C#.NET I	3
CP302	Visual C#.NET II	3
CP303	Visual Basic.NET I	3
CP304	Visual Basic.NET II	3
CP305	Java	3
AM205	Applied Math for Programmers	3
CP307	SQL—SQL Server	3
CP308	XML Web Services	3
CP309	ASP.NET I	3
CP310	ASP.NET II	3

**Graduates employed in the
computer programming industry
are generally given such titles as:**

**Programming Engineer
Computer Technician
Programming Technician
Database Administrator
Programming Specialist
Computer Scientist
Computer Engineer
Programming Consultant**

This program prepares you for the following Bachelor of Applied Science programs offered at Fountainhead:

Computer Technology: Application Development
Computer Technology: Systems Analyst
Network Security & Forensics

Already have a degree?
Great, contact us today to see what
may transfer into this program.

<i>16 month program</i>	Fast track your degree
<i>Set classes</i>	No registering for classes
<i>Set schedules</i>	Students can work and go to school
<i>Financial Aid</i>	Assistance for those who qualify
<i>Career Services</i>	Help with your résumé, & job search
<i>Certifications</i>	Earn certifications to compliment your degree

*Formerly Tennessee Institute of Electronics
Founded 1947*