# Bryant & Stratton College – Course Syllabus

## TECH 100 BUSINESS INFORMATION SYSTEM PRINCIPLES

This course syllabus is a contract between you and Bryant & Stratton College. It represents the minimum expected learning outcomes for this course. Your instructor will also provide a supplemental syllabus describing the approach to the course, instructional methods, tracking calendar, assignments, assessments and grading scheme, plus guidelines for your success.

<table>
<thead>
<tr>
<th>Semester Credit Hours: 3</th>
<th>Instructional Hours: 3</th>
<th>Term: Fall 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proficiency Available:</td>
<td>Prerequisite(s):</td>
<td>Co-requisite(s):</td>
</tr>
<tr>
<td>Yes</td>
<td>None</td>
<td>Date of Last Revision: 7/2012</td>
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## COURSE CATALOG DESCRIPTION:

TECH 100 is a foundational course that introduces information systems and its role in business. Students will learn fundamental topics on information system technologies, business applications, systems development, and IT ethics commonly used in business.

## LEARNING OUTCOMES

Bryant & Stratton College seeks to develop lifelong learning competencies in all students through the development of information literacy skills that assist students to formulate essential questions, research and apply the answers, and communicate the results within the dynamic communities of college, career, and life.

**Course Outcomes:** Upon completion of this course, students will be able to:

1. Describe what Business Information Systems are and the common components found in them.
2. Summarize how information technology affects the competitive advantage of a business.
3. Identify common pieces of computer hardware found in business information systems.
4. Differentiate between various types of computer software found in common business systems.
5. Describe the role of databases in business enterprises.
6. Explain the differences between e-commerce systems and e-business systems and the role each plays in a business.
7. Describe decision support systems found in businesses today.
8. Identify the process of designing and implementing business systems.
9. Express challenges, policies, and procedures found in managing business information systems.

**Institutional Outcomes:**

1. Employ information literacy skills through the effective use of technology and information resources to accomplish a goal.
2. Follow established, habitual, and scientific methods to create opportunities for growth and increase critical awareness of one's responsibilities as a contributor to society.
3. Develop thinking processes and utilize learning strategies to understand their metacognitive abilities.
4. Transfer knowledge from life lessons and formal instruction to new situations as evidence of relational learning.
5. Demonstrate proficient mathematic and communication (written and oral) skills as required in the workplace.

## MEDIA/EQUIPMENT/SOFTWARE REQUIREMENTS:

Bryant & Stratton College faculty, as content area experts, selected the following media package for this course. A decision was made from these approved packages and is reflected on the supplemental syllabus.

<table>
<thead>
<tr>
<th>Package A</th>
<th>Package B</th>
<th>Package C</th>
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## SKILLS ASSISTANCE:

The instructor will be available for Skills Assistance hours. The times and locations are published in the supplemental syllabus.
TOPICS TO BE COVERED MAY INCLUDE:

Foundation Concepts
- Foundations of Information Systems in Business
  - Foundation Concepts: Information Systems in Business
  - Foundation Concepts: The Components of Information Systems
- Competing with Information Technology
  - Fundamentals of Strategic Advantage
  - Using Information Technology for Strategic Advantage

Information Technologies
- Computer Hardware
  - Computer Systems: End User and Enterprise Computing
  - Computer Peripherals: Input, Output, and Storage Technologies
- Computer Software
  - Application Software: End User Applications
  - System Software: Computer System Management
- Data Resource Management
  - Technical Foundations of Database Management
  - Managing Data Resources
- Telecommunications and Networks
  - The Networked Enterprise
  - Telecommunications Network Alternatives

Business Applications
- Electronic Business Systems
  - Enterprise Business Systems
  - Functional Business Systems
- Electronic Commerce Systems
  - E-Commerce Fundamentals
  - E-Commerce Applications and Issues
- Decision Support Systems
  - Decision Support in Business
  - Artificial Intelligence Technologies in Business

Development Processes
- Developing Business/IT Solutions
  - Designing Business Systems
  - Implementing Business Systems

Management Challenges
- Security and Ethical Challenges
  - Security, Ethical, and Societal Challenges of IT
  - Security Management of Information Technology
- Enterprise and Global Management of Information Technology
  - Managing Information Technology
  - Managing Global IT