

# Curriculum Guide

## Industrial Technology (IT)

**IT is a PROGRAM within the TECHNOLOGY STUDIES DEPARTMENT**

The starred (\*) courses are offered in the spring, 2009 semester

<b>Industrial Technology Preparation Courses</b>		<b>Units</b>
*CNET 083	Introduction to C# Language Programming	4.0
*ECON 001B	Principles of Microeconomics	3.0
*CHEM 001A	General Chemistry (or CHEM 30A/B)	5.0
*PHYS 002A	General Physics	5.0
*PHYS 002B	General Physics	5.0
*MATH 003A	Analytic Geometry and Calculus	5.0
<b>Total Preparation</b>		<b>27.0</b>

<b>Core Curriculum Courses + area of concentration</b>		<b>Units</b>
TECH 031	Quality Assurance and Control	3.0
*TECH 060	Basic Electronics	4.0
<b>Manufacturing Systems Concentration: 12 units from the following</b>		
*TECH 020	Design and Graphics	3.0
TECH 025	Introduction to Materials Technology	3.0
TECH 040	Product Design I	3.0
TECH 045	Facilities Design and Development	3.0
<b>Computer Networking Concentration: 17 units from the following</b>		
*TECH 062	Analog Circuits	4.0
*TECH 063	Digital Circuits	4.0
TECH 064	Basic Wireless LAN	3.0
*TECH 065	Networking Theory and Application	3.0
*TECH 066	Network Operating Systems and Administration	3.0
<b>Total Certificate Program Requirements</b>		<b>19.0–24.0</b>

Completion of these courses will satisfy part of the major requirements needed for San Jose State University's **BS in Industrial Technology**. See SJSU Industrial Technology articulation guide for more information.

The Industrial Technology program is part of the Technology Studies Department. See [www.missioncollege.org/depts/tech\\_studies](http://www.missioncollege.org/depts/tech_studies) for a complete description of all the programs belonging to the new *Technology Studies* Department.