

ALAMO
COLLEGES

ST. PHILIP'S COLLEGE

Office of the President

February 24, 2014

Dr. Belle Wheelan, President,
Commission on Colleges
Southern Association of Colleges and Schools
1866 Southern Lane
Decatur, GA 30033

Dear Dr. Wheelan,

This letter is in response to your January 22, 2014 communication about the St. Philip's College December 20, 2013 Modified Prospectus submission. Enclosed is the information you requested regarding St. Philip's College proposed implementation of the Advanced Manufacturing Technology (AMT) program at the:

Workforce Development Center of Excellence: Alamo Academies
800 Quintana Road, Bldg. 8
San Antonio, TX 78211

Specifically, you requested that we respond to the following:

- *Please provide clarification regarding the actual number of program courses and percentage of credit hours that will be delivered at the proposed Workforce Development Center of Excellence (WCoE): Alamo Academies off-campus instructional site.*
- *Please provide a description of discipline-specific library and learning resources for the proposed program.*
- *Please provide a description of physical facilities and equipment which evidence appropriateness of the facility to support this program and instructional delivery.*

Please see the enclosed response. If there additional information is needed do not hesitate to contact me.

Sincerely,

Adena Williams Loston, PhD
President

C: Michael Hoefler, Ph.D. Vice-President, Commission on Colleges

St. Philip's College Response to SACSCOC Information Request

Advanced Manufacturing Technology Program located at:

Workforce Development Center of Excellence – Alamo Academies

Please provide clarification regarding the actual number of program courses and percentage of credit hours that will be delivered at the proposed Workforce Development Center of Excellence (WCoE): Alamo Academies off-campus instructional site.

The nine individual courses offered at the WCoE total 29 SCH, which is 47.5% of the SCH of the program. The program is made up of 61 SCH. See yellow highlights below.

	Lecture	Lab	External	Contact	Credit
Semester 1					
CETT 1409 DC-AC Circuits	4	1	0	80	4
ELMT 1305 Basic Fluid Power	2	4	0	96	3
INMT 2303 Pumps, Compressors & Mechanical Drives	2	2	0	64	3
MATH 1314 College Algebra	3	0	0	48	3
Semester 1 Total:	11	7	0	288	13
Semester 2					
ENGL 1301 English Composition I	3	0	0	48	3
INTC 1357 AC/DC Motor Control	2	4	0	96	3
RBTC 1347 Electromechanical Devices	3	1	0	64	3
MCHN 1438 Basic Machine Shop	2	4	0	96	4
Semester 2 Total:	10	9	0	304	13
Semester 3					
PHYS 1305 Introductory Physics I Lecture	3	0	0	48	3
CPMT 1449 Computer Networking Technology	3	3	0	96	4
ARTS 2326 Sculpture I	3	3	0	96	3
Semester 3 Total:	9	6	0	240	10
Semester 4					
RBTC 1305 Robotic Fundamentals	3	1	0	64	3
INTC 2330 - Instrumentation Systems Troubleshooting	3	1	0	64	3
RBTC 1301 Programmable Logic Control	3	1	0	64	3
WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW)	2	6	0	128	4
Semester 4 Total:	11	9	0	320	13
Semester 5					
ECT 2266 Practicum (or Field Experience) - Electrical, Electronic, and Communication Engineering Technology/Technician	0	0	16	256	2
INTC 2433 Instrumentation Systems Installation	4	1	0	80	4
ECON 1301 - Introduction to Economics	3	0	0	48	3
RBTC 2339 Robot Programming and Diagnostics	3	1	0	64	3
Semester 5 Total:	10	2	16	448	12
	51	33	16	1600	61

Please provide a description of discipline-specific library and learning resources for the proposed program.

The St. Philip's College Library has two locations. The main location is in the Center for Learning Resources (CLR) located at 1801 Martin Luther King Drive. This is the primary location for this degree program. The second location is in Building 1 at St. Philip's College Southwest Campus located at 800 Quintana Road. This location is directly across the street from the WCoE where 9 of the courses from this program will be offered. Both libraries feature quiet, comfortable study areas, including group and individual study rooms. They offer computers with Internet and software programs for student projects, email, and research. Photocopiers and printers are also provided, as well as rooms for library instruction and media viewing. The Reference and Instruction staff provide research assistance, information literacy classes, and individual support for students and faculty.

The Library's collections include books, music CDs, videos, and DVDs, all of which may be checked out, as well as numerous print periodicals and reference materials for in-library use. If desired, videos may be viewed in the TV/DVD viewing room. The Library's website provides patrons with quick online access to books, articles, and other media through the Alamo Colleges (AC) online Library Catalog and electronic databases. As these tools are web-based, patrons can easily access library holdings and resources from any AC library or from their home or office through the Library's website.

Manufacturing program specific resources include a collection of reference works, codebooks, and handbooks in book, video, and electronic formats. See *Appendix A*. In addition, a wide array of electronic resources, specific to this program, are available to students and faculty through the Library's website. Specialized databases include:

- **Business Economics and Theory (Gale Cengage Learning)** – A collection of academic journals and magazines focusing on topics in economics from more than 150 full-text journals.
- **Business Source Complete (Ebscohost)** – Superior database for full text journals in all disciplines of business, including marketing, management, MIS, POM, accounting, finance, and economics. Additional full text, non-journal content includes financial data, books, monographs, major reference works, book digests, conference proceedings, case studies, investment research reports, industry reports, market research reports, country reports, company profiles, SWOT analyses, and more. Indexing and abstracts for the most important scholarly business journals as far back as 1886 are included, as well as searchable cited references for more than 1,300 journals.
- **Computer Database 1980 - Current (Gale Cengage Learning)** – This database may be used to find computer-related product introductions, news, and reviews in areas such as hardware, software, electronics, engineering, communications, and the application of technology.
- **Computer Source (Ebscohost)** – This database offers full text for nearly 300 publications and indexing and abstracts for nearly 450 publications, covering topics such as computer science, programming, artificial intelligence, cybernetics, information systems, robotics, and software.
- **General Science Collection (Gale Cengage Learning)** – A collection of over 1,000 peer-reviewed journals, providing researchers with the information needed to stay current on the latest scientific development.
- **Safari Books Online (Proquest)** – A student may start here to solve problems, research topics, learn about the latest technology or business trends, and develop critical new skills through access to an ever expanding collection of e-books from experts.
- **Science & Technology Collection (Ebscohost)** – This database provides access to over 830 leading full text journals and indexing and abstracts for more than 1,740 publications covering relevant aspects of the scientific and technical community.

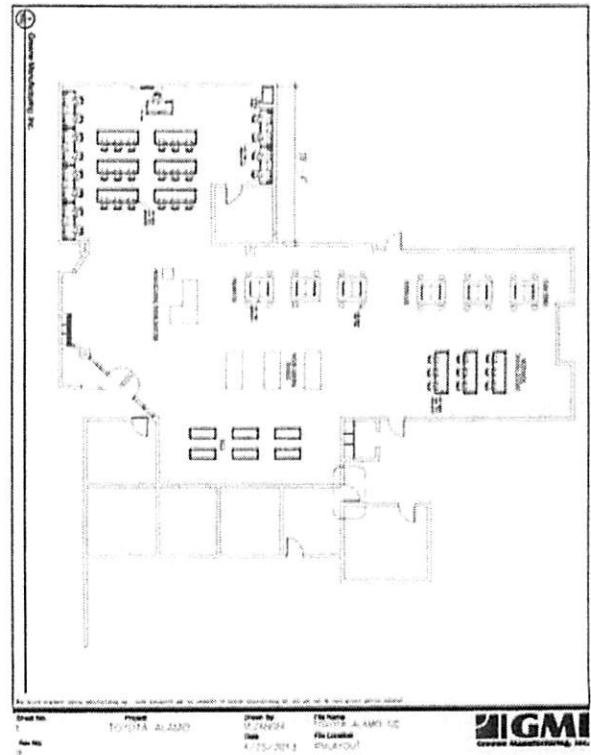
In addition to the resources listed above, at the WCoE, students have access to 18 computers with access to all St. Philip's College and Alamo Colleges electronic resources.

Please provide a description of physical facilities and equipment which evidence appropriateness of the facility to support this program and instructional delivery.

The physical facilities and equipment are appropriate and sufficient to support all the courses in the program offered at this site and that the instructional delivery is fully supported to replicate a real workplace environment. St. Philip's College's main campus is home of the Advanced Manufacturing Technician (AMT) program. The Workforce Center of Excellence (WCoE) building is located in Southwest-Central San Antonio, next to St. Philip's College Southwest Campus and is utilized for many of the technical components of the program. The WCoE contains classrooms and lab facilities to the standard of St. Philip's College Southwest Campus, and include Smart classrooms with computer lab support and climate control.

Construction is being completed at the WCoE with an expected completion date of March 23, 2014 (a design schematic of the lab is attached below). The WCoE has received two robotic arms donated by Toyota and 10 sets (5 trainers) of motor controls donated by Lab Volt. The WCoE has numerous classrooms with computer set ups for instruction. Presently, the WCoE has the follow equipment being phased in.

1. Lab Volt FACET Trainers (12 units)
2. Lab Volt Hydro/Pneumatic Trainers (6 units)
3. Future Tek Mechanical Drive Trainers
4. Lab Volt Industrial Controls (6 units)
5. AMTEC Simulator used or Robotics
6. Plant Pneumatic (60 psi) drop required



The aim of the new lab at WCoE is to transform the place of learning to mimic the function of a real workplace. Toyota and St. Philip's College faculty contributed to the design of the WCoE lab, creating an open industrial-like environment for classes in hydraulics, pneumatics, programmable logic controller, robotics, electronics, mechanics, motor control, and troubleshooting. Not only modern manufacturing processes and technologies can be provided simultaneously, but also the students can become familiar with the industry

environment, as well as coordinate and work with different working groups. The aim is that students can learn the right way the first time by learning in a learning environment that models the work environment. Also, safety and 5S learning labs are conducted in the same environment.

Please provide requested course descriptions for courses scheduled to be offered at the off-campus instructional location.

CETT 1409 - DC-AC Circuits

Fundamentals of DC circuits and AC circuits operation including Ohm's Law, Kirchoff's Laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques.

ELMT 1305 - Basic Fluid Power

Basic fluid power course covering vacuum systems, pneumatic and hydraulic systems, fluid power symbols, operating theory, components, and basic electrical and manual controls.

INTC 1357 - AC/DC Motor Control

A study of electric motors and motor control devices common to a modern industrial environment; a presentation of motor characteristics with emphasis on starting, speed control, and stopping systems.

RBTC 1347 - Electromechanical Devices

A study of basic electro-mechanical devices found in robotic systems, including transformers, switches, and solid state relays.

INTC 2330 - Instrumentation Systems Troubleshooting

Techniques for troubleshooting instrumentation systems in a process environment. Includes troubleshooting upsets in processes.

INTC 2433 - Instrumentation Systems Installation

Synthesis, application, and integration of instrument installation components. Includes a comprehensive final project..

RBTC 1305 - Robotic Fundamentals

An introduction to flexible automation. Topics include installation, repair, maintenance, and development of flexible robotic manufacturing systems.

RBTC 1301 - Programmable Logic Controllers

A study in programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming.

RBTC 2339 – Robot Programming and Diagnostics

Emphasis on the programming of industrial robots, the development of programming techniques, and the diagnosis of faults in systems.

APPENDIX A

Discipline-Specific Library and Learning Resources for the AMT Program

Discipline-Specific Library and Learning Resources for the AMT Program

Pending Resources (on order):

American Drive: How Manufacturing Will Save Our Country

by Dauch, Richard E. / Cox, Hank H. (CON) BTK:BK0010830160
ISBN:9781250010827 Edition/Vol: Pub. Date:2012/09/18 Format: Hardcover
ISBN-10:1250010829 Street Date: 2012/09/18 Supplier: St Martins Pr Dewey: 338.0973
Price: 27.99 (USD) Est.Discount Price:22.39(USD) Pub. Status: Ordered: 1

America's Assembly Line

by Nye, David E. BTK:BK0012358183
ISBN:9780262018715 Edition/Vol: Pub. Date:2013/02/15 Format: Hardcover
ISBN-10:0262018713 Street Date: Supplier: Mit Pr Dewey: 670.42
Price: 29.95 (USD) Est.Discount Price:23.96(USD) Pub. Status: Ordered: 1

Beyond Lean Production: Emphasizing Speed and Innovation to Beat the Competition

by Lewandowski, Roger G. BTK:BK0013878899
ISBN:9781482215823 Edition/Vol: Pub. Date: 2014/02/03 Format: Paperback
ISBN-10:1482215829 Street Date: Supplier: Productivity Pr Dewey: 658.5/1
Price: 29.95 (USD) Est.Discount Price:23.96(USD) Pub. Status: Ordered: 1

A Dictionary of Mechanical Engineering

by Atkins, Tony / Escudier, Marcel BTK:BK0012201768
ISBN:9780199587438 Edition/Vol: Pub. Date: 2013/06/10 Format: Paperback
ISBN-10:0199587434 Street Date: Supplier: Oxford Univ Pr Dewey: 423
Price: 21.95 (USD) Est.Discount Price:17.56(USD) Pub. Status: Ordered: 1

Fundamentals of Modern Manufacturing: Materials, Processes, and Systems

by Groover, Mikell P. BTK:BK0011037420
ISBN:9781118231463 Edition/Vol: Edit.5 Pub. Date: 2012/09/24 Format:Hardcover
ISBN-10:1118231465 Street Date: Supplier: John Wiley & Sons Inc Dewey: 670 Price: 225.80 (USD)
Est.Discount Price:180.64(USD) Pub. Status:Ordered: 1

Industrial Automation: Hands-On

by Lamb, Frank BTK:BK0012522556
ISBN:9780071816458 Edition/Vol: Pub. Date: 2013/06/03 Format:Hardcover
ISBN-10:0071816453 Street Date: Supplier: McGraw-Hill Professional Pub Dewey: 670.42/7 :
Price: 99.00 (USD) Est.Discount Price:79.20(USD) Pub. Status: Ordered: 1

Industrial Electricity and Motor Controls

by Miller, Rex / Miller, Mark R. BTK:BK0013142825
ISBN:9780071818698 Edition/Vol: Edit.2 Pub. Date: 2013/08/07 Format:Paperback
ISBN-10:0071818693 Street Date: Supplier: McGraw-Hill Professional Pub Dewey:621.31/042
Price: 55.00 (USD) Est.Discount Price:44.00(USD) Pub. Status: Ordered: 1

Introduction to Engineering Technology

by Pond, Robert J. / Rankinen, Jeffrey L. BTK:BK0013819750
ISBN:9780132840118 Edition/Vol: Edit.8 Pub. Date: 2013/12/23 Format:Paperback
ISBN-10:0132840111 Street Date: Supplier: Pearson College Div Dewey: 621
Price: 105.80 (USD) Est.Discount Price:105.80(USD) Pub. Status: Ordered: 1

Made in the USA: The Rise and Retreat of American Manufacturing

by Smil, Vaclav BTK: BK0013295783
ISBN:9780262019385 Edition/Vol: Edit.1 Pub. Date:2013/08/23Format: Hardcover
ISBN-10:0262019388 Street Date: Supplier: Mit Pr Dewey:338.4/7670973

Price: 27.95 (USD) Est. Discount Price: 22.36 (USD) Pub. Status: Ordered: 1

The Motor Car: Past, Present and Future

by Genta, Giancarlo / Morello, Lorenzo / Cavallino, Francesco / Filtri, Luigi BTK: BK0013945742
 ISBN: 9789400785519 Edition/Vol: Pub. Date: 2014/06/17 Format: Hardcover
 ISBN-10: 9400785518 Street Date: Supplier: Springer Verlag Dewey: 629
 Price: 139.00 (USD) Est. Discount Price: 111.20 (USD) Pub. Status: Ordered: 2

Popular Manufacturing Myths: Eliminating Widely Held Beliefs That Reduce Competitiveness

by Relyea, Douglas B. BTK: BK0011475166
 ISBN: 9781466566606 Edition/Vol: Pub. Date: 2013/04/18 Format: Hardcover
 ISBN-10: 1466566604 Street Date: Supplier: Productivity Pr Dewey: 658.5
 Price: 39.95 (USD) Est. Discount Price: 31.96 (USD) Pub. Status: Ordered: 1

Sand in the Gears: How Public Policy Has Crippled American Manufacturing

by Smith, Andrew O. BTK: BK0011487179
 ISBN: 9781612345888 Edition/Vol: Pub. Date: 2013/02/28 Format: Hardcover
 ISBN-10: 1612345883 Street Date: Supplier: Potomac Books Inc Dewey: 338.973
 Price: 29.95 (USD) Est. Discount Price: 17.97 (USD) Pub. Status: Ordered: 1

The Toyota Kaizen Continuum: A Practical Guide to Implementing Lean

by Stewart, John BTK: BK0008910031
 ISBN: 9781439846049 Edition/Vol: Pub. Date: 2011/08/29 Format: Paperback
 ISBN-10: 1439846049 Street Date: Supplier: Productivity Pr Dewey: 658.4/013
 Price: 43.95 (USD) Est. Discount Price: 35.16 (USD) Pub. Status: Ordered: 1

Existing Resources:

CALL NUMBER	TITLE	AUTHOR	PUBLISHER	LOCATION
TK7860.E44 S35394 2006	Electrical circuits [(DVD) videorecording] : Ohm's law / written and directed by James E. Duffy.		Lawrenceville, NJ : Shopware, c2006.	SWC DVDs
TK454 .K87 2000-2009	Lessons in electric circuits [electronic resource] : a free series of textbooks on the subjects of electricity and electronics / by Tony R. Kuphaldt.	Kuphaldt, Tony R.	[S.l. : s.n.], c2000-2009.	SWC e-Books
TK3001 .C637 2006	Contemporary electric circuits : insights and analysis / Robert A. Strangeway ... [et al.].		Upper Saddle River, NJ : Pearson Prentice Hall, c2006.	SWC Stacks
TK3001 .D82 2005	Electronics : circuits and analysis / Dinesh C. Dube.	Dube, Dinesh C.	Harrow, U.K. : Alpha Science International, c2005.	SWC Stacks
TK454 .A452 2004	Fundamentals of electric circuits / Charles K. Alexander, Matthew N.O. Sadiku.	Alexander, Charles K.	Boston : McGraw-Hill, c2004.	SWC Stacks
TK454 .A452 2004	Fundamentals of electric circuits / Charles K. Alexander, Matthew N.O. Sadiku.	Alexander, Charles K.	Boston : McGraw-Hill, c2004.	SWC Stacks
TK454 .B3987 2009	Fundamentals of electric circuits / David Bell.	Bell, David A., 1930-	Don Mills, Ont. : Oxford University Press, 2009.	SWC Stacks
TK454 .D67 2004	Introduction to electric circuits / Richard C. Dorf, James A. Svoboda.	Dorf, Richard C.	New York : Wiley, c2004.	SWC Stacks
TK454 .K52 2005	Electricity and electronics fundamentals for industrial maintenance / Thomas Kissell.	Kissell, Thomas E.	Upper Saddle River, N.J. : Pearson Prentice Hall, c2005.	SWC Stacks
TK454 .M397 2008	Circuit analysis demystified : [a self-teaching guide] / David McMahon.	McMahon, David (David M.)	New York : McGraw Hill, c2008.	SWC Stacks
TK454 .N54 2005	Electric circuits / James W. Nilsson, Susan A. Riedel.	Nilsson, James William.	Upper Saddle River, NJ : Pearson/Prentice Hall, 2005.	SWC Stacks
TK454 .N54 2005	Electric circuits / James W. Nilsson, Susan A. Riedel.	Nilsson, James William.	Upper Saddle River, NJ : Pearson/Prentice Hall, 2005.	SWC Stacks

TK454 .N54 2005	Electric circuits / James W. Nilsson, Susan A. Riedel.	Nilsson, James	Upper Saddle River, NJ :	
TK454 .R56 2004	Circuit analysis : theory and practice / Allan H. Robbins, Wilhelm C. Miller.	William. Robbins, Allan.	Pearson/Prentice Hall, 2005.	SWC Stacks
TK454 .R56 2004	Circuit analysis : theory and practice / Allan H. Robbins, Wilhelm C. Miller.	Robbins, Allan.	New York : Thomson/Delmar Learning, 2004.	SWC Stacks
TK454 .R5623 2004	Circuit analysis with devices : theory and practice / Allan H. Robbins, Wilhelm C. Miller.	Robbins, Allan.	New York : Thomson/Delmar Learning, 2004.	SWC Stacks
TK454 .R5623 2004	Circuit analysis with devices : theory and practice / Allan H. Robbins, Wilhelm C. Miller.	Robbins, Allan.	Clifton Park, NY :	
TK454 .15.A48 A25 2009	AC theory / in partnership with the NJATC.	Robbins, Allan.	Thomson/Delmar Learning, 2004.	SWC Stacks
TK7816 .B5426 2003	Electronics : circuits and systems / Owen Bishop.	Bishop, O. N. (Owen Neville)	Clifton Park, NY :	
TK7816 .B788 2005	The science of electronics : DC/AC / David M. Buchla, Thomas L. Floyd.	Buchla, David M.	Thomson/Delmar Learning, 2004.	SWC Stacks
TK7816 .C65 2005	Introductory DC/AC circuits / Nigel P. Cook.	Cook, Nigel P., 1981-	Clifton Park, NY : Delmar Cengage Learning, c2009.	SWC Stacks
TK7816 .C65 2005	Introductory DC/AC circuits / Nigel P. Cook.	Cook, Nigel P., 1981-	Oxford Boston : Elsevier [Newnes], 2003.	SWC Stacks
TK7816 .C653 2005	Introductory DC/AC electronics / Nigel P. Cook.	Cook, Nigel P., 1981-	Upper Saddle River, NJ :	
TK7816 .F57 2004	Electronics fundamentals : circuits, devices, and applications / Thomas L. Floyd.	Cook, Nigel P., 1981-	Pearson/Prentice Hall, c2005.	SWC Stacks
TK7816 .F57 2004	Electronics fundamentals : circuits, devices, and applications / Thomas L. Floyd.	Cook, Nigel P., 1981-	Upper Saddle River, N.J. :	
TK7816 .G36 2004	Introduction to electronics / Earl D. Gates.	Floyd, Thomas L.	Pearson/Prentice Hall, c2005.	SWC Stacks
TK7816 .G36 2004	Introduction to electronics / Earl D. Gates.	Floyd, Thomas L.	Upper Saddle River, N.J. :	
TK7816 .G36 2004	Introduction to electronics / Earl D. Gates.	Gates, Earl D., 1945-	Pearson/Prentice Hall, c2005.	SWC Stacks
TK7816 .H49 2003	DC/AC circuits and electronics : principles & applications / Robert J. Herrick.	Gates, Earl D., 1945-	Upper Saddle River, N.J. :	
TK7816 .H49 2003	DC/AC circuits and electronics : principles & applications / Robert J. Herrick.	Herrick, Robert J.	Pearson/Prentice Hall, c2004.	SWC Stacks
TK7816 .M433 2005	Foundations of electronics : circuits and devices / Russell L. Meade, Robert Diffenderfer.	Meade, Russell L.	Upper Saddle River, N.J. :	
TK7816 .M433 2005	Foundations of electronics : circuits and devices / Russell L. Meade, Robert Diffenderfer.	Meade, Russell L.	Australia Albany, [NY] :	
TK7816 .P393 2005	Electronics technology fundamentals : electron flow version / Robert T. Paynter, B.J. Toby Boydell.	Paynter, Robert T.	Delmar, c2004.	SWC Stacks
TK7816 .R39 2002	Fundamentals of solid state engineering / by Manijeh Razeghi.	Razeghi, M.	Australia Albany, [NY] :	
TK7819 .G35 2005	Electronics demystified / Stan Gibilisco.	Gibilisco, Stan.	Delmar, c2004.	SWC Stacks
TK7820 .G53 2005	Electricity demystified / Stan Gibilisco.	Gibilisco, Stan.	Clifton Park, N.Y. :	
TK7836 .H87 2009	Green gadgets for dummies / by Joe Hutsko foreword by Tom Zeller, Jr.	Hutsko, Joe, 1963-	Thomson/Delmar Learning, c2003.	SWC Stacks
TK7867 .K265 2003	Hands-on electronics : a one-semester course for class instruction or self-study / Daniel M. Kaplan and Christopher G. White.	Kaplan, Daniel M. (Daniel Moshe)	Clifton Park, N.Y. :	
TK7867 .M39 2006	Circuit analysis : a systems approach / Russell M. Mersereau, Joel R. Jackson.	Mersereau, Russell M.	Thomson/Delmar Learning, c2003.	SWC Stacks
			Upper Saddle River, NJ :	
			Pearson Prentice Hall, 2006.	SWC Stacks

TK7868.D5 F53 2008	Digital fundamentals / Thomas L. Floyd.	Floyd, Thomas L.	Upper Saddle River, NJ : Pearson Prentice Hall, 2006.	SWC Stacks
TK7868.D5 F53 2008	Digital fundamentals / Thomas L. Floyd.	Floyd, Thomas L.	Upper Saddle River, NJ : Pearson Prentice Hall, 2006.	SWC Stacks
TK7868.D5 F53 2008	Digital fundamentals / Thomas L. Floyd.	Floyd, Thomas L.	Upper Saddle River, NJ : Pearson Prentice Hall, 2006.	SWC Stacks
TK7870.2 .D387 2004	Troubleshooting and repairing consumer electronics / Homer L. Davidson.	Davidson, Homer L.	New York : McGraw-Hill, 2004.	SWC Stacks
TK7870.2 .T66 2004	Electronic troubleshooting / Dan Tomal, Neal S. Widmer.	Tomal, Daniel R.	New York : McGraw-Hill, 2004.	SWC Stacks
TK7871.58.B74 S23 2005	Broadband circuits for optical fiber communication / Eduard SĂckinger.	Eduard, 1959-	Hoboken, N.J. : Wiley, c2005.	SWC Stacks
TK7871.85 .D87 2008	Semiconductor devices and circuits / Aloke Dutta.	Dutta, Aloke.	Delhi Oxford : Oxford University Press, 2008.	SWC Stacks
TK7871.85 .R53 2001	Solid state fundamentals / Gary Rockis.	Rockis, Gary.	Homewood, Ill. : American Technical Publishers, c2001.	SWC Stacks
TK7876 .L382 2005	Microwaves and wireless simplified / Thomas S. Laverghetta.	Laverghetta, Thomas S.	Boston : Artech, 2005.	SWC Stacks
TK7876 .L424 2004	Planar microwave engineering : a practical guide to theory, measurement, and circuits / Thomas Lee.	Lee, Thomas H., 1959-	Cambridge, [England] New York : Cambridge University Press, 2004.	SWC Stacks
TK7876 .L424 2004	Planar microwave engineering : a practical guide to theory, measurement, and circuits / Thomas Lee.	Lee, Thomas H., 1959-	Cambridge, [England] New York : Cambridge University Press, 2004.	SWC Stacks
TK7876 .M255 2004	Microwave electronics : measurement and materials characterization / L. F. Chen ... [et al.].	Chen, L. F.	Chichester : John Wiley, c2004.	SWC Stacks
TK7876 .S28 2004	Introduction to microelectromechanical microwave systems / HĂctor J. de los Santos.	Santos, HĂctor J. de los.	Boston : Artech House, c2004.	SWC Stacks
TK7880 .G66 2003	How electronic things work-- and what to do when they don't / Robert L. Goodman.	Goodman, Robert L.	New York : McGraw-Hill, c2003.	SWC Stacks
TK7881.15 .R37 2004	Power electronics : circuits, devices, and applications / Muhammad H. Rashid.	Rashid, M. H.	Upper Saddle River, N.J. : Pearson/Prentice Hall, c2004.	SWC Stacks
TK2851 .H44 2007	Electric motor control / Stephen L. Herman.	Herman, Stephen L.	New York : Thomson Delmar Learning, c2007.	SWC Stacks
TK2851 .H47 2005	Industrial motor control / Stephen L. Herman.	Herman, Stephen L.	Clifton Park, NY : Thomson/Delmar Learning, c2005.	SWC Stacks
TK2851 .H47 2005	Industrial motor control / Stephen L. Herman.	Herman, Stephen L.	Clifton Park, NY : Thomson/Delmar Learning, c2005.	SWC Stacks
TK7876 .S28 2004	Introduction to microelectromechanical microwave systems / HĂctor J. de los Santos.	Santos, HĂctor J. de los.	Boston : Artech House, c2004.	SWC Stacks
TJ211 .A5475 2007	Robotics : a reference guide to the new technology / Joseph A. Angelo, Jr.	Angelo, Joseph A.	Westport, Conn. : Greenwood Press, 2007.	SWC Reference
TJ211.15 .H365 2009	Lego mindstorms NXT power programming : [robotics in C] / John C. Hansen.	Hansen, John C., 1964-	Winnipeg : Variant Press, c2009.	SWC Stacks
TJ211 .A545 2007	Fundamentals of robotic mechanical systems : theory, methods, and algorithms / Jorge Angeles.	Angeles, Jorge, 1943-	New York, NY : Springer, c2007.	SWC Stacks
TJ211 .B557 2007	The robot builder's cookbook / Owen Bishop.	Bishop, Owen.	Amsterdam Boston London : Elsevier/Newnes, c2007.	SWC Stacks
TJ211 .B565 2008	Robot programmer's bonanza / John Blankenship, Samuel Mishal.	Blankenship, John, 1948-	New York : McGraw-Hill, c2008.	SWC Stacks
TJ211 .H66 2006	Loving the machine : the art and science of Japanese robots / Timothy N. Homyak.	Homyak, Timothy N.	Tokyo New York : Kodansha International, 2006.	SWC Stacks
TJ211 .N63 2008	The robot : the life story of a technology / Lisa Nocks.	Nocks, Lisa.	Baltimore, Md. : Johns Hopkins University Press, 2008.	SWC Stacks
TJ211 .S794 2010	Self-reconfigurable robots : an introduction / Kasper Stoy, David Brandt, David J. Christensen.	Stoy, Kasper, 1973-	Cambridge, Mass. : MIT Press, c2010.	SWC Stacks
TJ211 .W415 2008	FIRST robots : rack 'n' roll : behind the design : 30 profiles of award-winning robot designs / Vince Wilczynski, Stephanie Slezyski foreword by Dean Kamen afterword by Woodie Flowers.	Wilczynski, Vince.	Beverly, Mass. : Rockport Publishers, c2008.	SWC Stacks

TJ211 .W54 2007	FIRST robots : behind the design / Vince Wilczynski, Stephanie Slezyccki foreword by Dean Kamen afterword by Woodie Flowers.	Wilczynski, Vince.	Gloucester, Mass. : Rockport Publishers, c2007.	SWC Stacks
TJ211 .W5628 2005	Robotics demystified / Edwin Wise.	Wise, Edwin.	New York : McGraw-Hill, 2005.	SWC Stacks
TJ211.15 .L44 2009	LEGO MINDSTORMS NXT one-kit wonders : ten inventions to spark your imagination / James Floyd Kelly ... [et al.], Fay Rhodes, editor.		San Francisco, CA : No Starch Press, c2009.	SWC Stacks
TJ211.35 .M673 2008	Programming Microsoft Robotics studio / Sara Morgan.	Morgan, Sara.	Redmond, Wash. : Microsoft Press, c2008.	SWC Stacks
TJ211.412 .M36 2006	Robot modeling and kinematics / Rachid Manseur.	Manseur, Rachid.	Boston, Mass. : Da Vinci Engineering Press, c2006.	SWC Stacks
TJ211.412 .M36 2006	Robot modeling and kinematics / Rachid Manseur.	Manseur, Rachid.	Boston, Mass. : Da Vinci Engineering Press, c2006.	SWC Stacks
TJ211.495 .G88 2006	Almost human : making robots think / Lee Gutkind.	Gutkind, Lee.	New York : W.W. Norton & Co., c2006	SWC Stacks
TA418.9.C6 M34 2002	Composites manufacturing : materials, product, and process engineering / Sanjay K. Mazumdar.	Mazumdar, Sanjay K.	Boca Raton, Fla. : CRC Press, c2002.	SWC Reference
TJ1185 .E447 2005	Advanced machining processes : nontraditional and hybrid machining processes / Hassan El-Hofy.	El-Hofy, Hassan.	New York : McGraw-Hill, 2005.	SWC Stacks
TJ1185 .E448 2007	Fundamentals of machining processes : conventional and nonconventional processes / Hassan El-Hofy.	El-Hofy, Hassan.	Boca Raton, FL : CRC/Taylor & Francis, 2007.	SWC Stacks
TJ223.P76 P76 C62 2004	Programmable logic controllers [(DVD) videorecording] / produced by Coastal Training Technologies, Corp.		Virginia Beach, VA : Coastal Skills Training, c2004.	SWC Reserves
TJ223.P76 P76 C62 2004	Programmable logic controllers [(DVD) videorecording] / produced by Coastal Training Technologies, Corp.		Virginia Beach, VA : Coastal Skills Training, c2004.	SWC Reserves
TJ223.P76 P76 C62 2004	Programmable logic controllers [(DVD) videorecording] / produced by Coastal Training Technologies, Corp.		Virginia Beach, VA : Coastal Skills Training, c2004.	SWC Reserves
TJ223.P76 P76 C62 2004	Programmable logic controllers [(DVD) videorecording] / produced by Coastal Training Technologies, Corp.		Virginia Beach, VA : Coastal Skills Training, c2004.	SWC Reserves
TJ223.P76 P76 C62 2004	Programmable logic controllers [(DVD) videorecording] / produced by Coastal Training Technologies, Corp.		Virginia Beach, VA : Coastal Skills Training, c2004.	SWC Reserves
TJ223.P76 B65 2003	Programmable logic controllers : an introduction / W. Bolton.	Bolton, W. (William), 1933-	Oxford Boston : Newnes, 2003.	SWC Stacks
TJ223.P76 D86 2006	Introduction to programmable logic controllers / by Gary Dunning.	Dunning, Gary.	Clifton Park, NY : Thomson/Delmar Learning, c2006.	SWC Stacks
TJ223.P76 R34 2002	Programmable logic controllers : hardware and programming / by Max Rabiee contributing editor: Stephen Fardo.	Rabiee, Max.	Tinley Park, Ill. : Goodheart-Willcox Co., c2002.	SWC Stacks
TK3001 .C57 2008	Circuits [(DVD) videorecording]		Lawrenceville, NJ : Shopware, 2008, c2007.	MLK DVDs
TK454 .E46 2003eb	Schaum's outline of theory and problems of electric circuits [electronic resource] / Mahmood Nahvi, Joseph A. Administer. Lessons in electric circuits [electronic resource] : a free series of textbooks on the subjects of electricity and electronics / by Tony R. Kuphaldt.	Nahvi, Mahmood.	New York : McGraw-Hill, c2003.	MLK e-Book
TK454 .K87 2000-2009	Selected papers from the 21st Symposium on Electromagnetic Phenomena in Nonlinear Circuits [electronic resource].	Kuphaldt, Tony R.	[S.l. : s.n.], c2000-2009.	MLK e-Book
TK1010 .C65 2011	Schaum's outline of theory and problems of electronic devices and circuits [electronic resource] / Jimmie J. Cathey.	Demenko, Andrzej. Cathey, Jimmie J.	Bradford : Emerald Group Publishing Limited, 2011.	MLK e-Book
TK7887 .C34 2002eb	Comprehensive linear and digital integrated circuits design;"The linear and digital integrated circuits design primer / A. Sudhakar."	Sudhakar, A	New York : McGraw-Hill, c2002.	MLK e-Book
TK7874 .S84 2003	Contemporary electric circuits : insights and analysis / Robert A. Strangeway ... [et al.].		Hingham, Mass. : Charles River, 2003.	MLK Stacks
TK3001 .C637 2006	Electronics : circuits and analysis / Dinesh C. Dube.	Dube, Dinesh C.	Upper Saddle River, NJ : Pearson Prentice Hall, c2006.	MLK Stacks
TK3001 .D82 2005	Fundamentals of electric circuits / Charles K. Alexander, Matthew N.O. Sadiku.	Alexander, Charles K.	Harrow, U.K. : Alpha Science International, c2005.	MLK Stacks
TK454 .A452 2004	Electrical circuit theory and technology / John Bird.	Bird, J. O.	Boston : McGraw-Hill, c2004.	MLK Stacks
TK454 .B48 2003	Introduction to electric circuits / Richard C. Dorf, James A. Svoboda.	Dorf, Richard C.	Oxford New York : Newnes, 2003.	MLK Stacks
TK454 .D67 2004	Electric circuits / James W. Nilsson, Susan A. Riedel.	Nilsson, James William.	New York : Wiley, c2004.	MLK Stacks
TK454 .N54 2005	Circuit analysis : theory and practice / Allan H. Robbins, Wilhelm C. Miller.	Robbins, Allan.	Upper Saddle River, NJ : Pearson/Prentice Hall, 2005.	MLK Stacks
TK454 .R56 2004			New York : Thomson/Delmar Learning, 2004.	MLK Stacks

TK454 .R5623 2004	Circuit analysis with devices : theory and practice / Allan H. Robbins, Wilhelm C. Miller.	Robbins, Allan. Bishop, O. N. (Owen Neville)	Clifton Park, NY : Thomson/Delmar Learning, 2004.	MLK Stacks
TK7816 .B5426 2003	Electronics : circuits and systems / Owen Bishop.	Buchla, David M.	Oxford Boston : Elsevier [Newnes], 2003.	MLK Stacks
TK7816 .B788 2005	The science of electronics : DC/AC / David M. Buchla, Thomas L. Floyd.	Cook, Nigel P., 1961-	Upper Saddle River, NJ : Pearson/Prentice Hall, 2005.	MLK Stacks
TK7816 .C65 2005	Introductory DC/AC circuits / Nigel P. Cook.	Cook, Nigel P., 1961-	Upper Saddle River, N.J. : Pearson/Prentice Hall, c2005.	MLK Stacks
TK7816 .C65 2005	Introductory DC/AC circuits / Nigel P. Cook.	Cook, Nigel P., 1961-	Upper Saddle River, N.J. : Pearson/Prentice Hall, c2005.	MLK Stacks
TK7816 .C653 2005	Introductory DC/AC electronics / Nigel P. Cook.	Cook, Nigel P., 1961-	Upper Saddle River, N.J. : Pearson/Prentice Hall, c2005.	MLK Stacks
TK7816 .F57 2004	Electronics fundamentals : circuits, devices, and applications / Thomas L. Floyd.	Floyd, Thomas L.	Upper Saddle River, N.J. : Pearson/Prentice Hall, c2004.	MLK Stacks
TK7816 .F57 2004	Electronics fundamentals : circuits, devices, and applications / Thomas L. Floyd.	Floyd, Thomas L.	Upper Saddle River, N.J. : Pearson/Prentice Hall, c2004.	MLK Stacks
TK7816 .G36 2004	Introduction to electronics / Earl D. Gates.	Gates, Earl D., 1945-	Australia Albany, [NY] : Delmar, c2004.	MLK Stacks
TK7816 .G36 2004	Introduction to electronics / Earl D. Gates.	Gates, Earl D., 1945-	Australia Albany, [NY] : Delmar, c2004.	MLK Stacks
TK7816 .G36 2004	Introduction to electronics / Earl D. Gates.	Gates, Earl D., 1945-	Australia Albany, [NY] : Delmar, c2004.	MLK Stacks
TK7816 .H49 2003	DC/AC circuits and electronics : principles & applications / Robert J. Herrick.	Herrick, Robert J.	Clifton Park, N.Y. : Thomson/Delmar Learning, c2003.	MLK Stacks
TK7816 .H49 2003	DC/AC circuits and electronics : principles & applications / Robert J. Herrick.	Herrick, Robert J.	Clifton Park, N.Y. : Thomson/Delmar Learning, c2003.	MLK Stacks
TK7816 .M433 2005	Foundations of electronics : circuits and devices / Russell L. Meade, Robert Diffenderfer.	Meade, Russell L.	Clifton Park, NY : Thomson/Delmar Learning, c2005.	MLK Stacks
TK7816 .M433 2005	Foundations of electronics : circuits and devices / Russell L. Meade, Robert Diffenderfer.	Meade, Russell L.	Clifton Park, NY : Thomson/Delmar Learning, c2005.	MLK Stacks
TK7816 .P393 2005	Electronics technology fundamentals : electron flow version / Robert T. Paynter, B.J. Toby Boydell.	Paynter, Robert T.	Upper Saddle River, N.J. : Pearson/Prentice Hall, c2005.	MLK Stacks
TK7816 .P393 2005	Electronics technology fundamentals : electron flow version / Robert T. Paynter, B.J. Toby Boydell.	Paynter, Robert T.	Upper Saddle River, N.J. : Pearson/Prentice Hall, c2005.	MLK Stacks
TK7816 .R39 2002	Fundamentals of solid state engineering / by Manijeh Razeghi.	Razeghi, M.	Boston : Kluwer Academic Publishers, c2002.	MLK Stacks
TK7816 .S349 2002	Electromagnetics explained : a handbook for wireless/RF, EMC, and high-speed electronics / Ron Schmitt.	Schmitt, Ron.	Amsterdam Boston : Newnes, c2002.	MLK Stacks
TK7820 .G53 2005	Electricity demystified / Stan Gibilisco.	Gibilisco, Stan.	New York : McGraw-Hill, c2005.	MLK Stacks
TK7845 .R68 1999	Opportunities in electronics careers / Mark Rowh foreword by Dick Glass.	Rowh, Mark. Kaplan, Daniel M.	Lincolnwood, Ill. : VGM Career Horizons, c1999.	MLK Stacks
TK7867 .K265 2003	Hands-on electronics : a one-semester course for class instruction or self-study / Daniel M. Kaplan and Christopher G. White.	(Daniel Moshe)	Cambridge : Cambridge University Press, 2003.	MLK Stacks
TK7867 .L4 1992	Discrete and integrated circuit electronics / Donald P. Leach.	Leach, Donald P.	Fort Worth : Saunders College Pub., c1992.	MLK Stacks
TK7867 .M39 2006	Circuit analysis : a systems approach / Russell M. Mersereau, Joel R. Jackson.	Mersereau, Russell M.	Upper Saddle River, NJ : Pearson Prentice Hall, 2006.	MLK Stacks
TK7880 .G66 2003	How electronic things work-- and what to do when they don't / Robert L. Goodman.	Goodman, Robert L.	New York : McGraw-Hill, c2003.	MLK Stacks
TK7881.15 .R37 2004	Power electronics : circuits, devices, and applications / Muhammad H. Rashid.	Rashid, M. H. Bloomer, John J., 1966-	Upper Saddle River, N.J. : Pearson/Prentice Hall, c2004.	MLK Stacks
TA357 .B59 2000eb	Practical fluid mechanics for engineering applications [electronic resource] / John J. Bloomer.	Yeoh, Guan Heng.	New York : Marcel Dekker, c2000.	MLK e-Book
TJ254.5 .C856 2009	Computational Fluid Dynamics in Fire Engineering [electronic resource] : Theory, Modelling and Practice		Burlington : Elsevier Science, 2009.	MLK e-Book

TJ843 .H38 2000eb	Handbook of hydraulic fluid technology [electronic resource] / edited by George E. Totten.		New York : Marcel Dekker, c2000.	MLK e-Book
TK2514 .H84 2013	Electric Motors and Drives [electronic resource] : Fundamentals, Types and Applications	Hughes, Austin.	Burlington : Elsevier Science, 2013.	MLK e-Book
TK2511 .E43 2008	Electric motors [(DVD) videorecording] / Shopware produced in cooperation with Northey Productions.		Lawrenceville, NJ : Shopware, 2008, c2007.	MLK DVDs
TK7860.E44 S35395 2008	Electrical components Part I [(DVD) videorecording] : resistors, batteries, and switches / written and directed by James E. Duffy.		Lawrenceville, NJ : Shopware, c2008.	MLK DVDs
TK7860.E44 S35398 2008	Electrical components Part II [(DVD) videorecording] : capacitors, fuses, flashers, and coils / written and directed by James E. Duffy.		Lawrenceville, NJ : Shopware, c2008.	MLK DVDs
TK7860.E44 S35397 2008	Electrical components Part III [(DVD) videorecording] : transformers, relays, and motors / written and directed by James E. Duffy.		Lawrenceville, NJ : Shopware, c2008.	MLK DVDs
TK7860.E44 S35398 2008	Electronic components Part I [(DVD) videorecording] : semiconductors, transistors, and diodes / written and directed by James E. Duffy.		Lawrenceville, NJ : Shopware, c2008.	MLK DVDs
TK7860.E44 S35399 2008	Electronic components Part II [(DVD) videorecording] : operation-transistors and diodes / written and directed by James E. Duffy.		Lawrenceville, NJ : Shopware, c2008.	MLK DVDs
TK7860.E44 S35400 2008	Electronic components Part III [(DVD) videorecording] : thyristors, piezo crystals, solar cells, and fiber optics / written and directed by James E. Duffy.		Lawrenceville, NJ : Shopware, c2008.	MLK DVDs
TK7860.E44 S35401 2008	Electrical troubleshooting [(DVD) videorecording] / written and directed by James E. Duffy.		Lawrenceville, NJ : Shopware, c2008.	MLK DVDs
TJ181 .S24 2003eb	Robot mechanisms and mechanical devices illustrated [electronic resource] / Paul E. Sandin.	Sandin, Paul E.	New York : McGraw-Hill, c2003.	MLK e-Book
TJ210.4 .C65 2003eb	Concise encyclopedia of robotics [electronic resource] / [edited by] Stan Gibilisco.	Hettiarachchi, Suranga.	New York : McGraw-Hill, 2003.	MLK e-Book
TJ211 TJ211 .A75 1998eb	Swarm Robotics [electronic resource].	Arkin, Ronald C., 1949-	Bradford : Emerald Group Publishing Limited, 2009.	MLK e-Book
TJ211 .B485 2003eb	Behavior-based robotics [electronic resource] / Ronald C. Arkin.	Bergren, Charles M. Brooks, Rodney Allen.	Cambridge, Mass. : MIT Press, c1998.	MLK e-Book
TJ211 .B695 1999eb	Anatomy of a robot [electronic resource] / Charles M. Bergren.	Edwards, Lewin A. R. W.	New York : McGraw-Hill, c2003.	MLK e-Book
TJ211 .E33 2005eb	Cambrian intelligence [electronic resource] : the early history of the new AI.		London : MIT, 1999.	MLK e-Book
TJ211 .I58 2004eb	Open-source robotics and process control cookbook [electronic resource] : designing and building robust, dependable real-time systems / by Lewin A.R.W. Edwards.		Amsterdam Boston : Newnes, c2005.	MLK e-Book
TJ211 .M418 2000eb	PIC robotics [electronic resource] : a beginner's guide to robotics projects using the PICmicro / John Iovine.	Iovine, John.	New York : McGraw-Hill, c2004.	MLK e-Book
TJ211 .M4182 2003eb	The robot builder's bonanza [electronic resource] / Gordon McComb.	McComb, Gordon.	New York : McGraw-Hill, 2001.	MLK e-Book
TJ211 .M55 2002eb	Robot builder's sourcebook [electronic resource] / Gordon McComb.	McComb, Gordon.	New York : McGraw-Hill, c2003.	MLK e-Book
TJ211 .R537 2000eb	Build your own combat robot [electronic resource] / Pete Miles, Tom Carroll.	Miles, Pete.	New York : McGraw-Hill/Osborne, c2002.	MLK e-Book
TJ211.15 .B29 2000eb	The robot in the garden [electronic resource] : telerobotics and telepistemology in the age of the Internet / edited by Ken Goldberg.		Cambridge, Mass. : MIT Press, c2000.	MLK e-Book
TJ211.15 .K558 1999eb	Dave Baum's definitive guide to Lego Mindstorms [electronic resource] / Dave Baum illustrations by Rodd Zurcher and Dave Baum.	Baum, Dave.	Emeryville, CA : Apress New York, NY : distributed to the book trade by Springer-Verlag, c2000.	MLK e-Book
TJ211.15 .S44 2002eb	The unofficial guide to Lego Mindstorms robots [electronic resource] / Jonathan B. Knudsen.	Knudsen, Jonathan.	Beijing : O'Reilly, 1999.	MLK e-Book
TJ211.35 .D67 1998eb	Build a remote-controlled robot [electronic resource] / David R. Shircliff.	Shircliff, David R.	New York : McGraw-Hill, c2002.	MLK e-Book
TJ211.5 .I58 2002eb	Robot shaping [electronic resource] : an experiment in behavior engineering / Marco Dorigo and Marco Colombetti.	Dorigo, Marco.	Cambridge, Mass. : MIT Press, c1998.	MLK e-Book
TJ211 .B485 2003	Robots, androids, and animatrons [electronic resource] : 12 incredible projects you can build / John Iovine.	Iovine, John.	New York : McGraw-Hill, c2002.	MLK e-Book
TJ211 .M3672 1996	Anatomy of a robot / Charles M. Bergren.	Bergren, Charles M.	New York : McGraw-Hill, c2003.	MLK Stacks
TJ211 .M418 2001	Robotics technology / by James W. Masterson, Robert L. Towers, Stephen W. Fardo.	Masterson, James W.	South Holland, Ill. : Goodheart-Willcox Co., c1986.	MLK Stacks
TJ211 .R43 2000	The robot builder's bonanza / Gordon McComb.	McComb, Gordon.	New York : McGraw-Hill, 2001.	MLK Stacks
	Introduction to robotics in CIM systems / James A. Rehg.	Rehg, James A.	Upper Saddle River, N.J. : Prentice Hall, 2000.	MLK Stacks

TJ211 .W5628 2005	Robotics demystified / Edwin Wise.	Wise, Edwin.	New York : McGraw-Hill, 2005.	MLK Stacks
TJ211.15 .I43 2004	Kickin' bot : an illustrated guide to building combat robots / Grant Imahara.	Imahara, Grant, 1970-	Hoboken, NJ : Wiley, c2004.	MLK Stacks
TJ211.15 .K45 1986	A layman's introduction to robotics / Derek Kelly.	Kelly, Derek A.	Princeton, N.J. : Petrocelli Books, c1986.	MLK Stacks
TJ211.2 .J44 1999	Artificial intelligence : robotics and machine evolution / David Jefferis.	Jefferis, David.	New York : Crabtree Pub. Co., 1999.	MLK Stacks
TJ211.35 .S75 2006	Robot modeling and control / Mark W. Spong, Seth Hutchinson, M. Vidyasagar.	Spong, Mark W.	Hoboken, NJ : John Wiley & Sons, c2006.	MLK Stacks
TJ211.415 .S54 2004	Introduction to autonomous mobile robots / Roland Siegwart and Illah Nourbakhsh.	Siegwart, Roland.	Cambridge, Mass. : MIT Press, 2004.	MLK Stacks
TJ213 .B76 2004	Control engineering : control system power and grounding better practice / David Brown, David Harrold, and Roger Hope.	Brown, David.	Amsterdam Boston : Elsevier/Newnes, c2004.	MLK Stacks
TJ223.P76 B379 2004	PIC microcontrollers : an introduction to microelectronics / Martin Bates.	Bates, Martin, 1952-	Boston : Elsevier, 2004.	MLK Stacks
TJ223.P76 B65 2003	Programmable logic controllers : an introduction / W. Bolton.	Bolton, W. (William), 1933-	Oxford Boston : Newnes, 2003. Clifton Park, NY : Thomson/Delmar Learning, c2006.	MLK Stacks
TJ223.P76 D88 2006	Introduction to programmable logic controllers / by Gary Dunning.	Dunning, Gary.		MLK Stacks
TJ223.P76 K38 2005	The quintessential PIC microcontroller / Sid Katzen.	Katzen, Sid.	London : Springer, 2005.	MLK Stacks
TJ223.P76 R44 2007	Programmable logic controllers / James A. Rehg, Glenn J. Sartori.	Rehg, James A.	Upper Saddle River, N.J. : Prentice Hall, c2007.	MLK Stacks
TJ223.P76B65 2009	Programmable Logic Controllers [electronic resource].	Bolton, W.	Burlington : Elsevier Science, 2009.	MLK e-Book