

# Florida Community College at Jacksonville

## 2007-08 Catalog: Programs of Study

### Electricity (Construction) (5632)

#### Workforce Certificate

Electricity is a national necessity. That silent, invisible current moves at the speed of light, works at the flick of a switch, brews our morning coffee, powers our national defense, runs just about everything that keeps us calm, cool and connected. No wonder we treat a power outage like an emergency. And no wonder there is always a need for more skilled electricians, especially in Florida where population and construction are at record highs.

Among the topics covered are: DC/AC theories; proper selection and use of power and hand tools used in the trade; use of blueprints; National Electrical Code (NEC) in-depth study; wiring techniques; electrical maintenance procedures. Approximately 60–70 percent of training experience will be through “hands-on” situations in the lab and through actual construction projects with the emphasis placed on safety in the lab and on the project site.

#### Career Opportunities, Rapid Placement

Florida’s growth is soaring. Jacksonville is a boomtown. And much of the city and state are being built by graduates of our construction programs. The employment rate in all trades is 100%. No Florida Community College student who wants a job goes without a job.

Florida Community College’s Building Construction program has a long-standing relationship with this region’s major industry organizations, such as Woods Engineering, C. Young Construction, Superior Construction, Paul Fraser Homes, Stellar Group, C & C Powerlines, Dickey Smith & Company, Miatt Construction and Accubuild Construction.

Members of the Northeast Florida Builders Association serve on our **Construction Management Advisory Council** and on advisory committees for all trades, as well as provide internships and fund annual scholarships. The advisory committees provide leadership, support and guidance for the program and support such educational activities as constructing residential projects from design to move in.

You have the opportunity to network with major contractors and become employed while you’re still in school. We also refer you for internships and job interviews.

#### Annual Salaries

Starting salaries range from \$16 to \$20 an hour. Overtime, bonuses, rapid advancement and opportunities for self-employment can rapidly increase your income.

#### Application

The Test of Adult Basic Education (TABE) is a major criterion in a student’s completion of the program. Students who fail to meet the State of Florida’s designated exit score will be required to complete the Vocational Preparatory Instruction (VPI). In order to complete the program successfully, students must achieve or surpass the designated exit score(s). See **Standards of Academic Progress**.

Students in this program should be advised by the instructor or the program manager before enrolling in courses.

#### Cost

Estimated cost of tuition is \$2,328 (tuition rated for Florida residents, as of 7/06). Contact the program manager for additional costs (textbooks, materials, fees).

#### Need More Information? Contact:

**Betty Sasser**, Downtown Campus, 904.633.8454  
Or call 904.361.6353

#### More Information Online

#### Laborers International Union of North America

#### Curriculum

##### Course Number and Title Professional Courses

##### Contact Hours

##### Workforce Credits

* <b>VPI 0100</b>	Basic Reading Skills		
* <b>VPI 0200</b>	Basic Mathematical Skills		
* <b>VPI 0300</b>	Basic Language Skills		

<b>BCV 0600</b>	DC Theory	150	5.00
<b>or BCV 0936</b>	Technical Career Exploration	30	
<b>and BCV 0609</b>	Introduction to DC Theory	120	
<b>BCV 0601</b>	AC Theory	150	5.00
<b>BCV 0641</b>	Residential Wiring I	150	5.00
<b>BCV 0660</b>	Commercial Wiring I	150	5.00
<b>*BCV 0610</b>	NEC Review	150	5.00
<b>or **BCV 0940C</b>	Postsecondary Internship		
<b>BCV 0642</b>	Residential Wiring II	150	5.00
<b>BCV 0661</b>	Commercial Wiring II	150	5.00
<b>BCV 0662</b>	Electrical Maintenance	150	5.00
<b>Total Contact Hours</b>		<b>1,200</b>	<b>40.00</b>

\*Students who have satisfactory test scores are not required to take these courses.

\*\*See program advisor to assure proper course selection.

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