

**2004 –2014 Projected Occupations in Demand**

<b>Occupational Title</b>	<b>Minimum Education Requirements</b>	<b>** Total Annual Demand</b>	<b>1<sup>st</sup> Quarter 2006 Average Hourly Wage</b>
Farm, Ranch, and Other Agricultural Managers	Wk Exp.+ Bachelor's or higher degree	30	\$25.09
Landscaping and Groundskeeping Workers	Short-term Tng. & Exp.	250	\$8.97
Nonfarm Animal Caretakers	Short-term Tng. & Exp.	90	8.61
Helpers--Extraction Workers	Short-term Tng. & Exp.	40	13.89
Fishers and Related Fishing Workers	Mod.-term Tng. & Exp.	140	NA
Roustabouts, Oil and Gas	Mod.-term Tng. & Exp.	110	\$12.17
Rotary Drill Operators, Oil and Gas	Mod.-term Tng. & Exp.	80	20.99
Service Unit Operators, Oil, Gas, and Mining	Mod.-term Tng. & Exp.	80	15.99
Pump Operators, Except Wellhead Pumpers	Mod.-term Tng. & Exp.	50	18.16
Derrick Operators, Oil and Gas	Mod.-term Tng. & Exp.	40	19.76
Logging Equipment Operators	Mod.-term Tng. & Exp.	40	15.29
Agricultural Equipment Operators	Mod.-term Tng. & Exp.	40	8.77
First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	Mod.-term Tng. & Exp.	30	19.11
Farmworkers, Farm and Ranch Animals	Mod.-term Tng. & Exp.	30	9.21
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Long-term Tng. & Exp.	180	\$8.36

\*\*Total Annual Demand = Demand in the occupation as a function of replacement demand (retirements + turnover) + new growth.

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JULY, 2007

**Occupations in the Spotlight**



**Landscaping and Groundskeeping Workers**



Workers typically perform a variety of tasks including sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler installation, and installation of mortarless concrete masonry wall units.

- ◆ Knowledge of machines and tools
- ◆ Knowledge of chemical composition, structure, and properties
- ◆ Able to determine the kind of tools and equipment needed to do a job

**Required WorkKeys® Scores:**

**AM LI RI**  
3 3 4

**Roustabouts, Oil and Gas**



They assemble or repair oil field equipment using hand and power tools and perform other tasks as needed.

- ◆ Knowledge of machines and tools
- ◆ Knowledge of practical application of engineering science and technology
- ◆ Knowledge of materials, methods, and tools involved in the construction or repair of houses, buildings, or other structures

**Required WorkKeys® Scores:**

**AM LI RI**  
Not Yet Available

**AM = Applied Mathematics**

**LI = Locating Information**

**RI = Reading for Information**

**WorkKeys® assessments** give students and workers reliable, relevant information about workplace skill levels. Combined with information about skill levels required for jobs, assessments information can help students make better career and educational decisions. Louisiana uses three WorkKeys® assessments as the foundation for awarding career readiness certificates. For more information, contact the Workforce Education and Training Office at the Louisiana Board of Regents (225-342-4253).

**LOUISIANA Opportunities in**



*This diverse Career Cluster prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional services.*

**FASTEST GROWING JOBS**

- ◆ Landscaping and Groundskeeping Workers
- ◆ Farmworkers and Laborers, Crop, Nursery, and Greenhouse
- ◆ Fishers and Related Fishing Workers
- ◆ Roustabouts, Oil and Gas
- ◆ Nonfarm Animal Caretakers
- ◆ Rotary Drill Operators, Oil and Gas
- ◆ Service Unit Operators, Oil, Gas, and Mining

**Louisiana Department of Labor Office of Occupational Information Services**

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**"This document was produced as a collaborative endeavor between the Louisiana Departments of Labor, Education and the Board of Regents".**

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## Reference Center:

Louisiana Department of Labor - <http://www.LAWORKS.net>

Occupational Information – go to Career Exploration <https://www.voshost.com/default.asp>

Louisiana Employment Outlook - [http://www.laworks.net/LaborMarketInfo/LMI\\_employmentprojections.asp](http://www.laworks.net/LaborMarketInfo/LMI_employmentprojections.asp)

Louisiana Technical Colleges - <http://www.ltc.edu/home.asp>

Financial Aid- <http://www.osfa.state.la.us/>

Louisiana Board of Regents- <http://www.regents.state.la.us>

Louisiana Community & Technical College System <http://www.lctcs.net/>

ACT <http://www.act.org>

National Career Clusters <http://www.careerclusters.org>



*This brochure is designed to provide assistance to students as they prepare to make decisions about course selection, their career options and future plans.*

**The Career Options Law (Act 1124)** mandates that all high school students have a five-year educational plan and that all high schools offer career majors/areas of concentrations. It is the intent of the law that students have a focus while in school to help make learning more relevant and meaningful.

Students in 6th – 8th grades must complete at least six career awareness activities which help students to develop a five-year educational plan. It also requires school systems to offer areas of concentrations to address students' interests.

**The Five-Year Educational Plan** Students must complete this plan at the end of their 8th grade year with input from their counselor and/or advisor and family. This plan must be reviewed and revised on an annual basis throughout high school with student, parent and counselor/advisor signatures each year.

## TOP EMPLOYING INDUSTRIES

### Industry

(based on North American

Industry Classification System NAICS)

Industry	2004	2014	Number of New Jobs	Percent Change
Crop production	7,752	6,060	-1,692	-21.8%
Forestry and logging	4,417	4,018	-399	-9.0%
Fishing, hunting and trapping	2,381	2,740	359	15.1%
Agriculture and forestry support activities	7,729	7,363	-366	-4.7%

## Agriculture, Food and Natural Resources Cluster High School Areas of Concentrations (2007 – 2008)

**Diploma Endorsements** will help provide for students the preparation necessary for college and/or a career. By the same token employers will be getting better prepared workers, and higher education institutions will have students better prepared for success in their post secondary institutions. These endorsements help students to maximize their 11th and 12th grades, encourage more students to take Advanced Placement courses, encourage students to take advantage of career and technical education courses and opportunities, as well as hold high schools accountable for what is taught during the 11th and 12th grades. Students can complete the necessary requirements for two different diploma endorsements:

- Academic Endorsement
  - Career and Technical Endorsement
- Please see your guidance counselor for further details.

**The Louisiana WORKReady! Certificate** is a portable credential that signifies to an employer that an individual has achieved acceptable levels in the foundation skills necessary for success in the workplace and gives Louisiana citizens a “key to work”. Issued by the Workforce Commission, the Certificate is a tool that helps employers identify qualified candidates to fill the openings they have in their businesses.

People who attain the Certificate, which will display their workplace readiness skill levels, will have an advantage as they pursue their career goals. The Certificate increases the likelihood that business will receive a well-trained, highly skilled worker and that education will prepare students for available jobs. For more information, contact the Workforce Commission at 225-342-2094 or the Board of Regents at 225 342-4253.

### Career Cluster

Agriculture, Food and Natural Resources

### Areas of Concentrations

Agriculture Production  
Agriculture Management  
Animal Science  
Forestry and Conservation  
Horticulture

### Post Secondary Programs

Agriculture/Agricultural Sciences, General  
Farm & Ranch Management  
Forestry & Related Sciences  
Agricultural Production Workers & Mgrs.  
Fishing & Fisheries Sciences & Mgmt.  
Food Science & Technology  
Agriculture Business & Management  
Agricultural Extension  
Agriculture Business & Production  
Agricultural Economics  
Agricultural Animal Breeding & Genetics  
Agricultural Animal Health  
Forestry  
Range Management  
Range Sciences  
Plant Science  
Horticulture

### Training Programs Related

#### Certification(s):

Certified Landscape Technician  
Certified Landscape Technician Interior  
Horticulture License  
Retail Florist License  
Landscape Contractor  
Outdoor Power Equipment Technician  
Canine Care  
Equine Care  
CNLP

For more information on course selection visit our Web site:

<http://www.doe.state.la.us/lde/ssa/currichome.html>