



**MANUFACTURING
SKILL STANDARDS
COUNCIL**

Remarks at the National Conference of State Legislatures

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***Certify the technologically savvy, agile
“industrial athlete of the future.”***





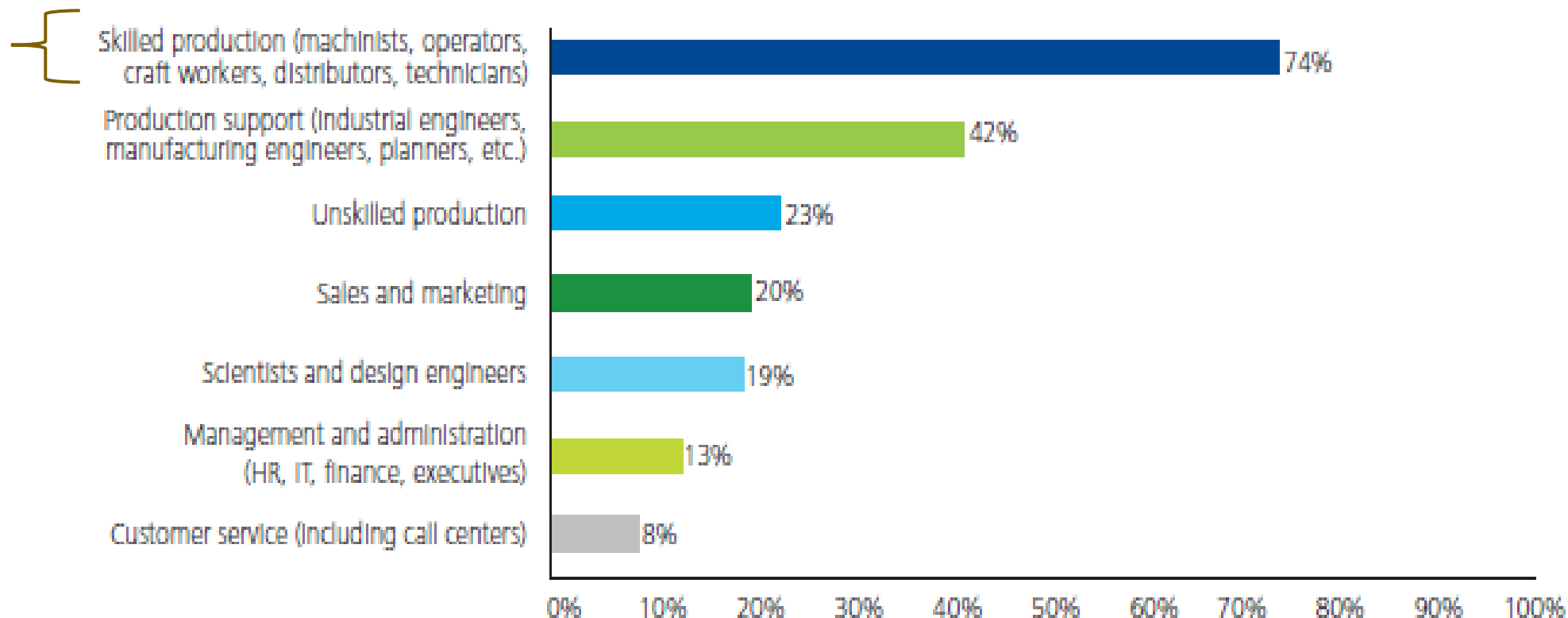
Examples of emerging Technologies that could be in widespread use in the next 2-7 Years

- **3-D Printing (aka Additive)**
- **Advanced Materials**
- **Automation of Knowledge Work**
- **Internet of Things (Advanced Sensors)**
- **Mass customization**
- **Mechatronics**
- **Mobile Internet**
- **Nanotechnology**
- **Next Generation Robotics**
- **Cloud Computing**
- **Artificial Intelligence (AI)**
- **High Performance Computing (HPC)**
- **Big Data**
- **Optics/optoelectronics**

Sources: Global McKinsey Institute, NACFAM, PCAST



MSSC Focus on Most Critical Skills Shortage:



Deloitte & NAM MI 2011



The Future: SKILLED JOBS

- In 1950, 80% of U.S. jobs were unskilled.
- Today, just six decades later -- 85% of U.S. jobs are SKILLED.

GAP? Over 50 percent of skilled trade workers in the U.S. are age 45 years or older.



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