



Iowa Governor's STEM Advisory Council  
Guidelines for

## STEM BEST® H.D. Program Businesses Engaging Students and Teachers

### **STEM BEST® H.D. Program Curriculum**

STEM BEST® H.D. Program models will inspire lifelong learning within one or more of the high demand sectors of Computer Science/IT, Health Professions and/or advanced manufacturing environments. Programs will stimulate constructive connections between life and the work world that awaits. A robust STEM curriculum that is relevant, dynamic and focused on personalized, deeper learning for students and educators will include:

- Instructional strategies that support project-based learning
- Create/Implement STEM-focused, career-driven curriculum demonstrating concepts of the Iowa CORE standards
- Focusing on:
  - Critical thinking
  - Complex communication
  - Creativity
  - Collaboration
  - Flexibility and adaptability
  - Productivity and accountability
- Authentic assessment
- Career and college readiness as key outcomes
- Integration of arts and culture curriculum when appropriate

Successful STEM BEST® H.D. Program models engage business, economic and workforce development, and higher education in co-development of curriculum aligned to the needs of local workplaces while meeting the state academic standards.