FLATE Strategic Hierarchy
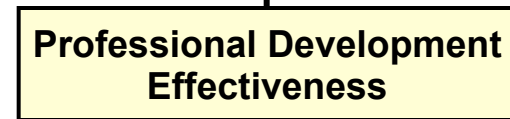## 2012-2015

Organizational

Overall Organizational Effectiveness

Program Level

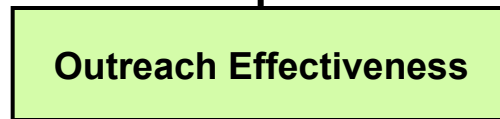| Curriculum Effectiveness | Outreach Effectiveness | Professional Development Effectiveness |

Activity Level

Goal 2

Goal 3

Goal 4

Goal 1

FLATE Strategic Hierarchy
2012-2015

Organizational

Overall Organizational Effectiveness

Program Level

Curriculum Effectiveness

Outreach Effectiveness

Professional Development Effectiveness

Activity Level

GOAL 2: To implement a statewide unified education system for manufacturing that positions manufacturing education as a convergent curriculum that optimizes technician preparation in manufacturing and its enabling technologies.

GOAL 3: To provide an effective outreach platform for Florida's high school, community college, industry, and legislature to access information related to the requirements for, and impact of manufacturing education.

Goal 4: To present professional development opportunities for technical faculty to develop, refine or certify their knowledge base within manufacturing and/or its related enabling technologies and educational pedagogies.
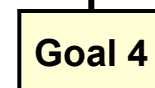
Goal 1: To ensure that FLATE's mission is sustained.
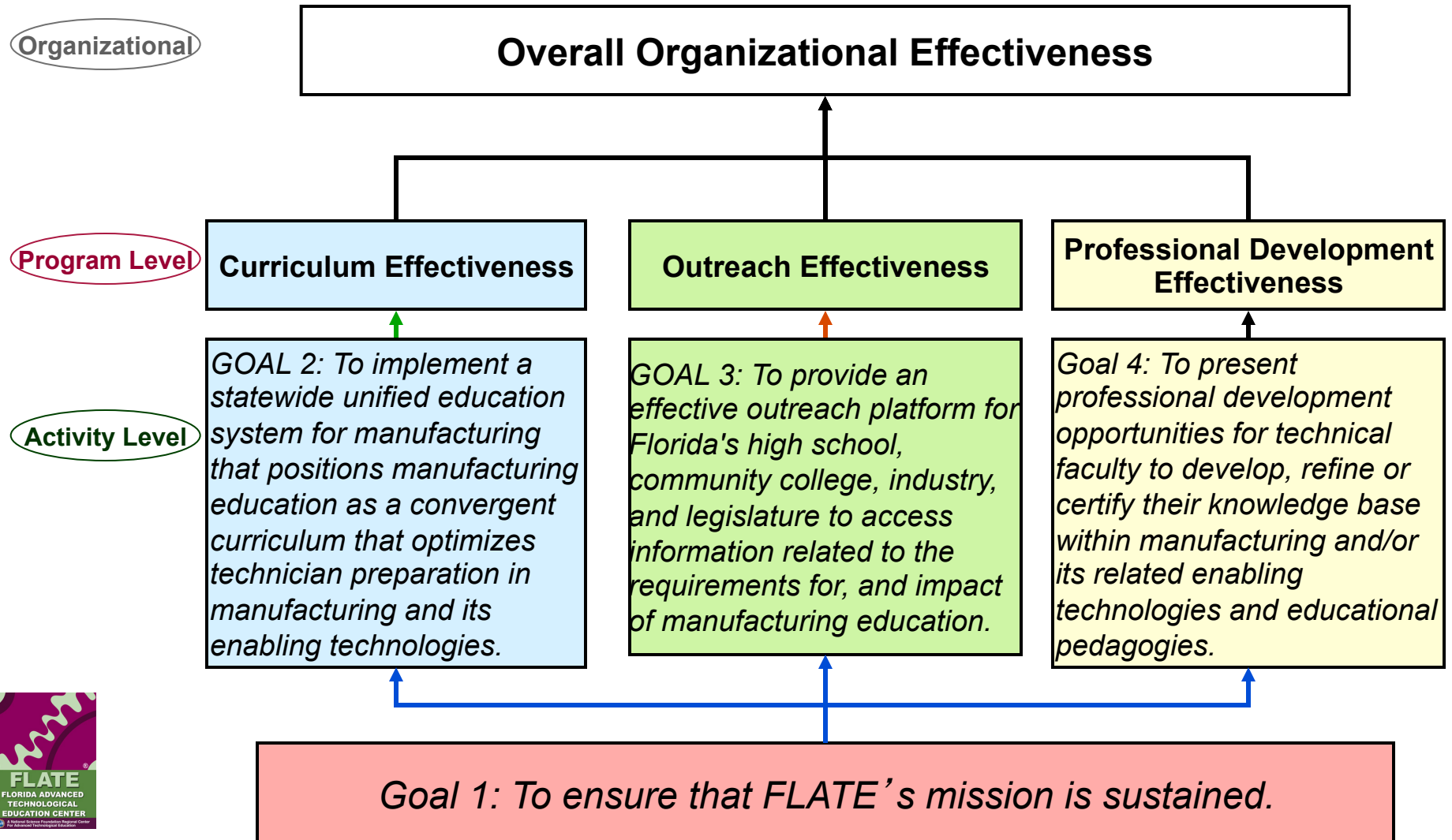
FLATE Strategic Hierarchy
2012-2015

Organizational

Program Level

Activity Level

Overall Organizational Effectiveness Measures

- **Number of Students placed into the manufacturing workforce**

- **Number of Students enrolled in manufacturing programs (Community College and High School)**

FLATE Strategic Hierarchy
2012-2015

Organizational

Program Level

Activity Level

Curriculum Effectiveness Measures

- **CE-1** Number of adopting institutions from south Florida
- **CE-2** Number of apprenticeships to ET Degree
- **CE-3** Number of student earned ET degree related certifications
- **CE-4** Aligned ET degree skills to additional stackable credentials
- **CE-5** Aligned ET degree skills to 2012 MSSC standards
- **CE-6** Aligned ET degree skills to international endorsed credential
- **CE-7** Aligned skills to another state's same major manufacturer
- **CE-8** National manufacturer satisfaction survey
- **CE-9** Number of tools developed related to outreach and enrollment
- **CE-10** Populate curriculum repository with interface to ATE Central
- **CE-11** Identified common cross cluster technical skills
- **CE-12** Number of users of integrated ET content
- **CE-13** Number of E.T. related high schools and PSAV programs
- **CE-14** Number of articulations

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FLATE Strategic Hierarchy
2012-2015

Organizational

Program Level

Activity Level

Outreach Effectiveness Measures	Professional Development Effectiveness Measures
• **OE-1** Number of student contacts and enrollments • **OE-2** Published STEM recruitment program • **OE-3** Number of outreach events and partnerships • **OE-4** Number of RMA's to develop regional Manufacturing activities • **OE-5** Launch FLATE's Graduation Connection Program • **OE-6** Number of Web Site hits	• **PDE-1** Publish Professional Development transfer best practice • **PDE-2** Professional development hours trend chart • **PDE-3** Report number of people who have taken and passed MSSC tests • **PDE-4** Report the number of teachers supported

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FLATE Strategic Hierarchy
2012-2015

Organizational

Program Level

Activity Level

Sustainability Effectiveness Measures

- **SE-1** HCC Brandon organizational chart with shared positions

- **SE-2** Sterling evaluation score trend chart

- **SE-3** Stakeholder survey trend chart scores for total % agree

- **SE-4** Receive Florida Sterling Challenge recognition

- **SE-5** Publish transportable models addressing NSF-ATE needs

- **SE-6** Keep record and copy of submitted documents

FLATE Strategic Hierarchy
2012-2015

Organizational

Target Objectives for Goal 2. To implement a statewide unified education system for manufacturing that positions manufacturing education as a convergent curriculum that optimizes technician preparation in manufacturing and its enabling technologies.

2.1 Expand south Florida student access to the A.S. ET degree.

2.2 Increase ET degree articulations with Department of Defense technical training courses and FLDOE apprentice programs.

Program Level

2.3 Increase Florida student numbers with endorsed industry certification 15%.

2.4 Ensure ET Degree maintains its alignment with industry standards.

2.5 Facilitate academic alignment of stackable credential outside of Florida.

Activity Level

2.6 Develop benchmarking tools for ATE program impact data.

2.7 Develop content/expertise to support FLDOE manufacturing related clusters.

2.8 Integrate ET content applications into a pre-engineering curriculum.

2.9 Offer faculty a shared online repository for ET related curriculum content.

2.10 Produce at least two industry aligned online Lesson Plans per year.

2.11 Facilitate 3 pre-ET degree programs.

2.12 Facilitate articulations from ASET to new BSET programs in Florida.

FLATE Strategic Hierarchy
2012-2015

Organizational

Program Level

Activity Level

***Target Objects** for Goal 3. To provide an effective outreach platform for Florida's high school, community college, industry, and legislature to access information related to the requirements for, and impact of manufacturing education.*

3.1 Continue support and improvement of the "Made in Florida" campaign.

3.2 Provide assistance for females that respond to Florida Trend NEXT advertorial.

3.3 Develop STEM recruitment program for potential "first time in College" students.

3.4 Strengthen regional industry/local school partnerships.

3.5 Connect manufacturers to ET programs with graduating students.

***Target Objectives** for Goal 4. To present professional development opportunities for technical faculty to develop, refine or certify their knowledge base within manufacturing and/or its related enabling technologies and educational pedagogies.*

4.1 Support teacher externships with industry within Florida.

4.2 Implement annual faculty Summer Institute focused on emerging ET skills.

4.3 Offer STEM professional development opportunities that emphasize essential advanced technician education for all manufacturing sectors.

4.4 Mentor ATE PIs and projects and organizations to impact technician education.

4.5 Install FLATE Faculty PD forum model into another A,S. degree sector.

4.6 Support K-14 faculty certification testing relevant to Florida ET programs.

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FLATE Strategic Hierarchy
2012-2015

Organizational

Target Objectives *for Goal 1. To ensure that FLATE's mission is sustained.*
(enabler and supporter for all Goals 2 through 4)

1.1 Execute the Center's institutionalization plan.

1.2 Conduct, analyze, and act on bi-annual Sterling Assessment.

1.3 Conduct, analyze, and act on bi-annual Stakeholders survey.

Program Level

1.4 Conduct FLATE operations using defined Sterling quality principles and practices.

1.5 Disseminate FLATE Best Practices for goals 2, 3, and 4.

1.6 Execute Goal 2, 3, and 4 objectives to optimize their institutionalization.

Activity Level

1.7 Maintain quality expectations of award winning "Made in Florida" campaign.

1.8 Conduct NSF evaluation and reporting activities.