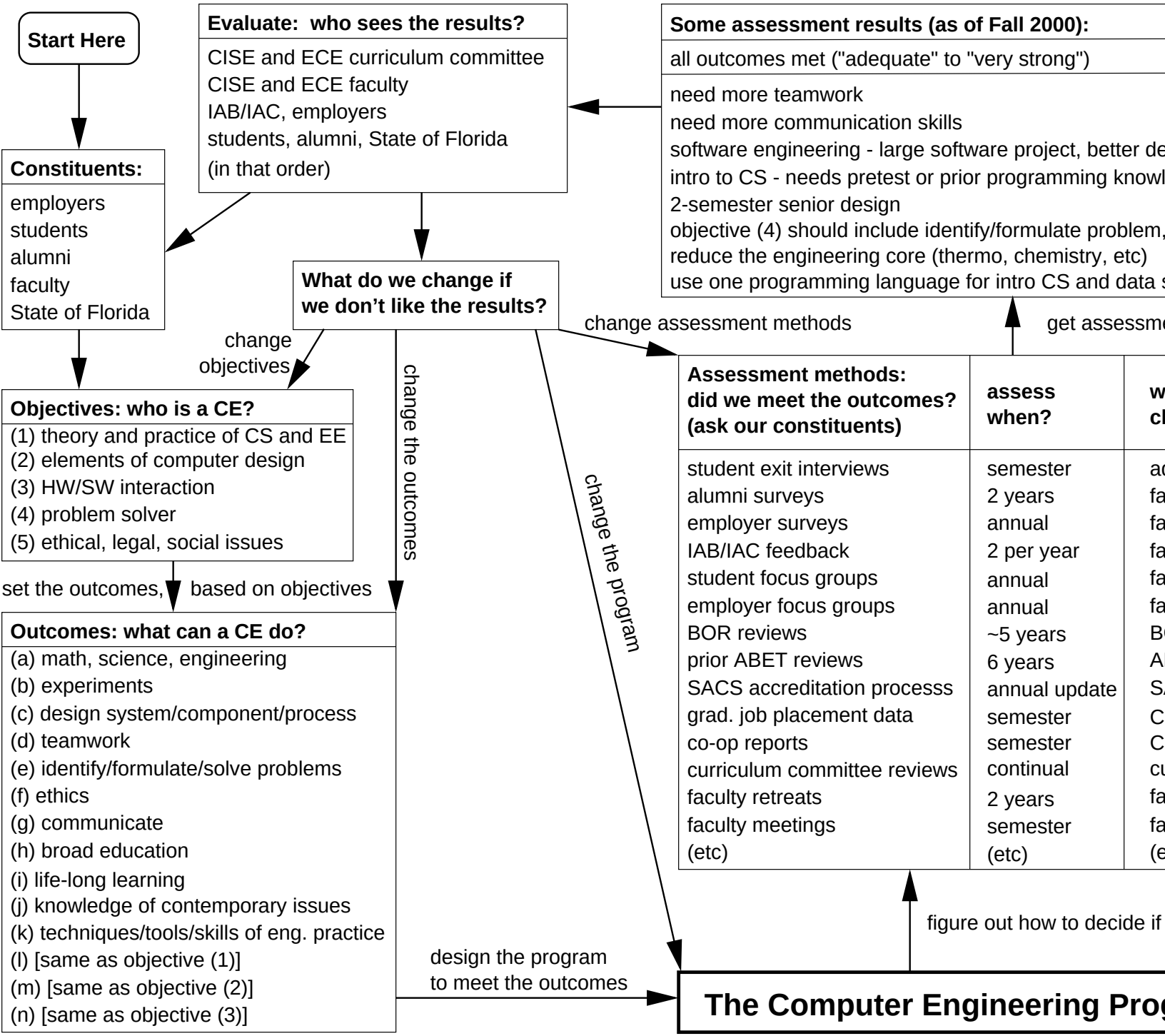
Start Here
Constituents:
employers
students
alumni
faculty
State of Florida
Evaluate: who sees the results?
CISE and ECE curriculum committee
CISE and ECE faculty
IAB/IAC, employers
students, alumni, State of Florida
(in that order)
Some assessment results (as of Fall 2000):
all outcomes met ("adequate" to "very strong")
need more teamwork
need more communication skills
software engineering - large software project, better de
intro to CS - needs pretest or prior programming knowl
2-semester senior design
objective (4) should include identify/formulate problem,
reduce the engineering core (thermo, chemistry, etc)
use one programming language for intro CS and data s
What do we change if we don't like the results?
change assessment methods
get assessme
change objectives
change the outcomes
change the program
Objectives: who is a CE?
(1) theory and practice of CS and EE
(2) elements of computer design
(3) HW/SW interaction
(4) problem solver
(5) ethical, legal, social issues
set the outcomes, based on objectives
Outcomes: what can a CE do?
(a) math, science, engineering
(b) experiments
(c) design system/component/process
(d) teamwork
(e) identify/formulate/solve problems
(f) ethics
(g) communicate
(h) broad education
(i) life-long learning
(j) knowledge of contemporary issues
(k) techniques/tools/skills of eng. practice
(l) [same as objective (1)]
(m) [same as objective (2)]
(n) [same as objective (3)]
Assessment methods: did we meet the outcomes? (ask our constituents)
assess when?
w cl
student exit interviews semester
alumni surveys 2 years
employer surveys annual
IAB/IAC feedback 2 per year
student focus groups annual
employer focus groups annual
BOR reviews ~5 years
prior ABET reviews 6 years
SACS accreditation processs annual update
grad. job placement data semester
co-op reports semester
curriculum committee reviews continual
faculty retreats 2 years
faculty meetings semester
(etc) (etc)
figure out how to decide if
design the program to meet the outcomes
The Computer Engineering Prog