Submission to the Information Calendar:
An integrated studies baccalaureate, emphasis in Operations Management

Section I: The Action
Dixie State College plans to begin offering an integrated studies baccalaureate emphasis in Operations Management in Fall 2010. It is the intent of the School of Business to develop an applied and industry responsive emphasis area in management. The emphasis will include the following courses:

- **Operations Management Emphasis** (23 cr. – 16 cr. are UD)
  - Business Statistics - STAT 2040 4
  - Economics of Social Issues - ECON 1010 3
  - Accounting for Management - ACCT 3000 4
  - Purchasing/Supply – MGMT 4000 3
  - Production and Operations - MGMT 3600 3
  - Human Resources – MGMT 4300 3
  - Mgmt Law – OPER 3030 3

DSC Integrated Studies Emphasis Area Requirements:
- At least two areas of emphasis with a minimum of 21 credits from approved list of courses for each emphasis area
- At least 12 credits must be from upper division courses (3000 or above) in each emphasis area

DSC Institutional Baccalaureate Requirements:
- DSC general education requirements or an AS or AA degree
- Minimum of 120 credits, at least 40 are upper division (3000 or above)
- Cumulative GPA of 2.0
- Minimum of 30 semester hours of upper division credit and at least 10 of the final 45 credits must be taken from DSC

Bridge Note: For students bridging from the AAS in Operations Management degree, all baccalaureate required general education courses must also be completed (see attached degree requirements). These courses can be taken in the AAS degree as elective credit.

Section II: Need
The Operations Management emphasis is being developed as part of a career ladder continuum for Operations Management. With the establishment of a manufacturing course in the Utah high schools, the competency certificate program in Advanced Manufacturing at the Dixie Applied Technology College, and the AAS degree in Operation Management at DSC, the next logical step is to add a related baccalaureate degree. Conservatively, it is estimated that annually 20 students from the annual cohort of 50 who will be progressing through the DXATC’s advanced manufacturing program will be advancing to DSC.

The integrated studies degrees are designed to assist students in customizing their education to meet their needs. The practical and applied focus of the AAS and integrated studies emphasis in Operations Management suits this goal well, allowing students to study in an additional area of interest or educational need. Surveys of manufacturing and construction industries verify that training and education in operations management are in demand, both locally and nationally. Local manufacturing and construction companies have also shown interest and commitment in
sending promising current employees for higher education, including a baccalaureate degree at DSC.

Section III: Institutional Impact
It is supposed that most of the students entering the integrated studies baccalaureate emphasis in Operations Management will be advancing from the AAS in Operations Management or from the DXATC’s Advanced Manufacturing Program. Many students will be already employed and on a career ladder advancement program with their companies. It is possible that some of the students from the grant funded career ladder initiative may decide to pursue a regular bachelor’s degree in business. A focus of the emphasis in the operations management program will be practical applications in industry. Offering the integrated studies baccalaureate emphasis in Operations Management should not initially require a significant increase in infrastructure or full-time faculty. Courses will be taught by current faculty and adjuncts with industry experience.

Section IV: Finances
The program will be funded through state appropriation, tuition, reallocated funds, and initially through a Department of Labor grant. The major costs associated with this program are related to instruction, with most of the infrastructure already in place. Several skilled adjuncts have already been identified and employed to teach existing operations courses at DSC (e.g., MGMT3600 Operations Management and MGMT4000 Purchasing and Supply Management) and a broader and deeper list of instructors is being prepared. Of course, in a time of normal budget availability and in keeping with accreditation guidelines an additional full-time operations faculty would be hired at the cost of approximately $115,000 for annual salary and benefits. However, given the dire lack of funding, but also considering the urgent and real need of students and industry, DSC will make do with existing and community resources in order to get this program started. As the program grows and as the state and national economies improve, additional state allocations for dedicated full-time faculty will be justified and required.
BACHELOR of INTERGRATED STUDIES - Emphasis in Operations Management

Possible 63 credits from AAS, AA or AS degree (courses must be 1000 or above)

General Education Requirements (included in AA and AS degrees) (31 cr.)
GE courses included in AAS in Operations Management (10 cr.):
- Engl 1010 3
- Engl 2010 3
- CIS 1200 3
- Information Literacy 1

Additional GE courses required (may have been taken as electives in AAS degree) (21 cr.):
- History 1700 3
- Life Science 3
- Physical Science 3
- Fine Arts/Communications 3
- Lit/Hum 3
- Social Science (Econ 1010 recommended) 3
- Math 1030, 1050 or advanced 3 – 5
Note: BA requires 2 language courses, 8 cr. in same language

Two Emphases Areas:

**Operations Management Emphasis** (23 cr. – 16 cr. are UD)
- Stats 2040 (Pre-requisite Mgmt course) 4
- Economics 1010 3
- Hybrid Accounting 4
- Purchasing/Supply 3
- Operations 3
- Human Resources 3
- Hybrid Mgmt Law 3

**Another emphasis** (12 cr. must be UD) 21
Communications or Information Technology recommended

**Integrated Studies Core Requirements** (12 cr. UD)
- Interdisciplinary Studies 3
- Diversity in American Society 3
- Ethics and Values 3
- Senior Project 3

Total 120 credits required

Emphasis area requirements:
At least two areas of emphasis with a minimum of 21 credits from approved list of courses for each emphasis area
At least 12 credits must be from upper division courses (3000 or above) in each emphasis area

Institutional Requirements:
DSC general education requirements or an AS or AA degree
Minimum of 120 credits, at least 40 are upper division (3000 or above)
Cumulative GPA of 2.0
Minimum of 30 semester hours of upper division credit and at least 10 of the final 45 credits must be taken from DSC