

**PROPOSED**  
**(pending university approval, Fall Semester, 20110**  
**BAS Applied Engineering**  
**Degree Requirements**

**Required Technical Core – 26 credits** (transferred from AS, AAS, Diploma, Certificate)

**Required Applied Engineering Technology Core – 26 credits**

<u>Course</u>	<u>Credit</u>	<u>Description</u>
IT 3100 Princ. & Practices	2	existing
IT 3267 Eng. Econ. & Cost Anal.	4	existing – expand content by 1 credit
IT 3700 Production Pl. & Control	4	existing – expand add IT
IT 4537 Industrial Design & Innov.	4	industrial design, add innovation, graphics component
IT 4878 Quality Assurance	4	existing – expand, TQM, etc.
IT 4879 Service Proc. Des. & Improv.	4	existing – expand
IT 4879 Project Mgmt.	4	combination of existing Project Management and Industrial Organizations

**Applied Engineering Technology Electives – 12 credits**

IT 3217 Mat. Science & Metallurgy	4
IT 3260 Project Bidding and Est.	4
IT 3460 Parametric 3-D Modeling	3
IT 3877 Engineering Problem Solving	4
IT 3878 Ind./Eng. Production Studies	4
IT 3880 Tech. Sales, Serv. & Training	4
IT 4380 Sustainability & Emerg. Tech.	4
IT 4777 Advanced Topics in Quality	4
IT 4877 Facilities Management	4
IT 4970 Internship	1-2
BAUD 3281 Adv. Spreadsheets Des.	3
BAUD 3361 Marketing	3
BAUD 3381 Mgmt. Infor. Sys.	3
BAUD 4469 Small Bus. Case Anal.	3

**Required Engineering Capstone – 3 credits**

IT 4820 Engineering Case Study	3
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**Degree Summary**

Liberal Education	42
Required Technical Core	26
Required Applied Eng. Core	26
Applied Engineering Electives	12
Engineering Case Study	3
<u>Free Electives</u>	<u>11</u>

Total

120