

C++ programming essay



**ASSIGN
BUSTER**

Programming assignment #2 - College tuition
Inputs: 1. Semester (string)
2. Student identification number (string)
3. Student number of credits completed (float)
4. Student number of credits scheduled (float)
5.

Student financial aid award (float)
6. Student planning to use deferred payment plan (char)
Outputs: 1. Semester (string)
2. Student identification number (string)
3. Student number of credits completed (float)
4. Student number of credits scheduled (float)
5.

Student year standing (string)
6. Student tuition (float)
7. Student computer fee (float)
8. Student activities fee (float)
9. Student facility fee (float)
10.

Total student costs before aid (float)
11. Financial aid award amount (float)
12. Total due after financial aid award (float)
13. (for students following deferred payment plan)
a.

Cost per payment ? based on total due after financial aid award
b. Payment due dates
c. Total cost (all payments) with administrative fee

Constants:
const string FALL_PAYMENT_PLAN = " August, October, November",

SPRING_PAY_PL = " December, February, March";

const string STU_STANDING_SEN = " Senior", STU_STANDING_JUN = " Junior",

STU_STANDING_SOPH = " Sophomore", STU_STANDING_FRESH = " Freshman";

Freshman";

const float LOWER_FT = 6353., LOWER_PT = 518.

, UPPER_FT = 6876., UPPER_PT = 559.;

const float TECH_FEE_FT = 248., TECH_FEE_HT = 186.

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, TECH_FEE_PT = 84.;
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constfloatACT_FEE_FT = 84., ACT_FEE_PT = 63., ACT_FEE_HT = 26;
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constfloatFACILITY_FEE_FT = 116., FACILITY_FEE_HT = 87., FACILITY_FEE_PT  
= 36.
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constfloatSENIOR_MIN_CRED = 91. 1, JUNIOR_MIN_CRED = 59. 1,  
SOPHOMORE_MIN_CRED = 27. 1;
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constfloatDEFERRED_PLAN_FEE = 45.;
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Formulas: 1. Total tuition cost = Tuition + Student activities fee + Student facility fee + student computer fee2.

Deferred payment = Total due after financial aid award / 3 Constraints: 1.

The...