

WebCampus CE6 from Blackboard  
Focus Example BBHSYYT

The following is an example of a focus program used by GBC called BBHS81. This program is specific to GBC and is very similar to the IAV program. It automatically cross lists the high school and college classes together. For this scenario the dummy parent section is either an XI or an XS. The High School sections are either IK or SK. These will be cross listed with an IO or SO class.

**BBHS81 – Example Focus Program from GBC**

A. The common parameters used are the year, term, institution, and number of days. For consistency, these parms are used in most focus programs for BlackBoard. Not all parameters are actually used in each program.

```

-*RUNPARMS &YR &TM &INST &DAYS
-*-----
-*----- GBC AUTOMATED CROSS LISTING ALL IK1 TO IO1 -----
-*-----
-* PARAMETERS ENTERED AT RUN TIME ARE: -
-* &YR - 4 CHAR YEAR, USED AS SELECTION CRITERIA -
-* &TM - 1 CHAR TERM CODE, USED AS SELECTION CRITERIA -
-* &INST - 1 CHAR INSTITUTION CODE -
-* &DAYS - 1 NUMBER OF DAYS TO SELECT FOR LAST MOD - 0 GET ALL-
-*-----
-* CREATE BLACKBOARD WEBCT EXTRACT FILE -
-* SEND ALL CLASSES REGARDLESS OF MOD DATE, LIMIT AT XML TIME
-* THIS WILL ALLOW UPDATES FOR STUDENTS OF ALL CLASSES.
-*-----
SET ALL = ON
JOIN CLEAR *
-*-----
-* BUILD CROSS LISTED CLASSES WHEN FIND AND IK_ SECTION
-*-----
DEFINE FILE CLAS
INST/A4 = '&INST';
YEAR/A4 = '&YR';
TERM/A1 = '&TM';
DAYS/A2 = '&DAYS';

```

B. Create the new key that includes the SIS claskey up to the section portion. Replace the first 2 characters of the section with either 'XI' or 'XS'.

```

PARKEY/A11 = EDIT(CLASKEY,'$$$$$9999999999$9');
PARSCT/A2 = EDIT(CLASKEY,'$$$$$99$');
PARSC1/A1 = EDIT(CLASKEY,'$$$$$9$$');
BBKY1/A14 = EDIT(CLASKEY,'99999999999999$$');
BBKY2/A1 = EDIT(CLASKEY,'$$$$$9');
BBKEY/A17 = BBKY1 | 'X' | PARSC1 | BBKY2;
-*COURSE BEGIN DATE - FOR GBC CALCULATE 3 DAYS BEFORE START
BEGDTWK/I8 = CLASCLBDT;
BEGDTL3/I8 = AYMD(BEGDTWK,-3,BEGDTL3);
BEGDATE/A8 = IF INST EQ 'N'
              THEN EDIT(BEGDTL3,'99999999')
              ELSE EDIT(BEGDTWK,'99999999');
SCTF2/A2 = EDIT(CLASSCTCD,'99$');
BBTYPE/A17 = 'XLPARENT';

```

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END

TABLE FILE CLAS

PRINT

```

CLASPID      AS 'BBFLID'
BEGDATE      AS 'BBSCTBEGDT'
YEAR         AS 'BBYEAR'
TERM         AS 'BBTERM'
INST         AS 'BBINST'
DAYS         AS 'BBDAYS'
BBTYPE      AS 'BBTYPE'
PARSCT
BBKEY

```

BY PARKEY

BY BBKEY AS PBBKEY

WHERE CLASTYR EQ '&YR'

WHERE CLASTCD EQ '&TM'

WHERE CLASPID NE ' '

-\* SELECT ONLY PARENT RECORDS

C. Don't select if class is closed.

WHERE CLASCLENST NE 'C'

D. Don't select the following class as GBC is cross listing it within the Manual Cross List program, so don't want to re-cross list it here.

```

WHERE NOT CLASKEY IN ('20081PSC 103 I03',
                     '20081PSC 103 IK3',
                     '20081PSC 103 IK4',
                     '20081PSC 103 IK5',
                     '20081NUTR223 IK1',
                     '20081READ135 IK1',
                     '20081PSC 103 IK6')

```

E. Want to cross list when find a high school class.

WHERE SCTF2 EQ 'IK' OR 'SK'

ON TABLE HOLD AS BBPRNT

END

F. Save to a resorted file in preparing for final merge.

-\* SAVE PARENT1 FILE TO FINAL MERGE

TABLE FILE BBPRNT

PRINT

```

BBFLID
BBSCTBEGDT
BBYEAR
BBTERM
BBINST
BBDAYS
BBTYPE

```

BY BBKEY

ON TABLE HOLD AS BBPRNT1

END

G. Create a file for all the child sections and hold it as BBCHILD.  
All sections I0, IK, S0, and SK.

```

-*-----
-*   NOW BUILD THE CHILD CLASSES - SECTION HAS IO IN FIRST 2

```

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```
-----*-----
DEFINE FILE CLAS
  INST/A4      = '&INST';
  YEAR/A4      = '&YR';
  TERM/A1      = '&TM';
  DAYS/A2      = '&DAYS';
  BBKEY/A17    = CLASKEY;
- *COURSE BEGIN DATE - FOR GBC CALCULATE 3 DAYS BEFORE START
  BEGDTWK/I8   = CLASCLBDT;
  BEGDTL3/I8   = AYMD(BEGDTWK,-3,BEGDTL3);
  BEGDATE/A8   = IF INST EQ 'N'
                  THEN EDIT(BEGDTL3,'99999999')
                  ELSE EDIT(BEGDTWK,'99999999');
  SCTMIDL/A1   = EDIT(CLASSCTCD,'$9$');
  SCTF2/A2     = EDIT(CLASSCTCD,'99$');
  CHLDKEY/A11  = EDIT(CLASKEY,'$$$$9999999999$9');
  CHLDSCT/A2   = EDIT(CLASKEY,'$$$$$$$$$$$$99$');
  BBTYPE/A17   = ' ';
END

TABLE FILE CLAS
PRINT
  CLASPID      AS 'BBFLID'
  BEGDATE      AS 'BBSCTBEGDT'
  YEAR         AS 'BBYEAR'
  TERM         AS 'BBTERM'
  INST         AS 'BBINST'
  DAYS         AS 'BBDAYS'
  BBTYPE       AS 'BBTYPE'
  CHLDSCT
  BBTYPE
BY CHLDKEY
BY BBKEY
WHERE CLASTYR EQ '&YR'
WHERE CLASTCD EQ '&TM'
WHERE CLASPID NE ' '
- *WHERE CLASCSRPCD1 IN ('HYB','ENHA','WTL')
WHERE CLASCLENST NE 'C'
WHERE NOT CLASKEY IN ('20081PSC 103 I03',
                    '20081PSC 103 IK3',
                    '20081PSC 103 IK4',
                    '20081PSC 103 IK5',
                    '20081NUTR223 IK1',
                    '20081READ135 IK1',
                    '20081PSC 103 IK6')
- * SELECT ONLY CHILD RECORDS
WHERE SCTF2 EQ 'I0' OR 'IK' OR 'S0' OR 'SK'

ON TABLE HOLD AS BBCHILD
END
```

H. Join the Parent and Child records together by the class key, without the middle character of the section. So an I01 gets cross listed with the IK1. Set the Child type to the Parent key.

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```

JOIN CLEAR *
JOIN CHLDKEY IN BBCHILD TO PARKEY IN BBPRNT AS A
DEFINE FILE BBCHILD
  BBTYP/A17 = EDIT(PBBKEY, '$$$$$9999999999999999');
END
TABLE FILE BBCHILD
PRINT
  BBFLID
  BBSCTBEGDT
  BBYEAR
  BBTERM
  BBINST
  BBDAYS
  BBTYP
  CHLDKEY PBBKEY BBTYP
BY BBKEY

```

I. This where statement verifies that there is a high school K section.  
If there is no K section the parent record would not have been build.  
If there is only an IO1 section, don't need to cross list it.

```

WHERE PARKEY GT ' '
ON TABLE HOLD AS BBCHILD1
END

```

J. Resort the child.

```

-* SAVE CHILD1 FILE TO FINAL MERGE
TABLE FILE BBCHILD1
PRINT
  BBFLID
  BBSCTBEGDT
  BBYEAR
  BBTERM
  BBINST
  BBDAYS
  BBTYP
BY BBKEY
ON TABLE HOLD AS BBCHILD2
END

```

K. Merge the Parent and Child records together with the MORE FILE and hold it as the BBEXTHS program which is passed back to BBEXT.

```

-*-----
TABLE FILE BBPRNT
PRINT
  BBFLID
  BBSCTBEGDT
  BBYEAR
  BBTERM
  BBINST
  BBDAYS
  BBTYP
  BY BBKEY
ON TABLE HOLD AS BBEXTHS
MORE
  FILE BBCHILD2
END

```