**data** degrees3;

attrib isSTEMH format= $10. informat= $10. ;

set degrees;

if substr(major1,**1**,**8**) in

 ('13120601','13120602','13120603','13120604','13120605','13120606','13120607','13120611','13120612','13120621',

'13120622','13120623','13120624','13120625') and fice = '00199900' and academic\_year le '1516' then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**8**) eq '13139905' and fice eq '00197600' and academic\_year le '1516' then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**8**) eq '2799902' and fice eq '00197600' and academic\_year le '1516' then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**8**) eq '13139901' then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**8**) eq '13120601' then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**6**) eq '131206' and fice eq '00200200' then isSTEMH1 = 'Y' ;/\*"SKY Teach" -- WKU only \*/

else if substr(major1,**1**,**6**) eq '300801' and fice eq '00197600' and academic\_year le '1516' then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**6**) eq '131307' and fice eq '00197700' and academic\_year le '1516' then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**6**) eq '310505' and fice eq '00197700' and academic\_year le '1516' then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**6**) eq '303301' and Degree\_level ='M' and academic\_year ge '1516' then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**6**) in

 ( '131311','131316','131321','131322','131323','131327','131329','131337') then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**4**) in

 ('0109','0110','0111','0112','0199','0301','0303','0305','0306','0399','0402',

 '1905','3001','3006','3010','3018','3019','3025','3027','3030','3032','5212','5213') then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**2**) in ('11','14','15','26','27','40','41','51') then isSTEMH1 = 'Y' ;

else if substr(major1,**1**,**2**) ='10' and academic\_year ge '1415' then isSTEMH1='Y';

else if substr(major1,**1**,**6**) in ('422704','422801') and degree\_level='D' then isSTEMH1 = 'Y' ;

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\* Identify STEM+H Disciplines for Major2 \*/

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

else if (substr(major2,**1**,**8**) in

 ('13120601','13120602' ,'13120603' ,'13120604' ,'13120605' ,'13120606','13120607','13120611','13120612' ,

 '13120621' ,'13120622','13120623','13120624' ,'13120625')

 and fice = '00199900' and academic\_year le '1516') then isSTEMH2 = 'Y' ;

else if substr(major2,**1**,**8**) eq '13139905' and fice eq '00197600' and academic\_year le '1516' then isSTEMH2 = 'Y' ;

else if substr(major2,**1**,**8**) eq '2799902' and fice eq '00197600' and academic\_year le '1516' then isSTEMH2 = 'Y' ;

else if substr(major2,**1**,**8**) eq '13120601' then isSTEMH2 = 'Y' ;

else if substr(major2,**1**,**8**) eq '13139901' then isSTEMH2 = 'Y' ;

else if substr(major2,**1**,**6**) eq '131206' and fice eq '00200200' then isSTEMH2 = 'Y' /\*"SKY Teach" -- WKU only \*/ ;

else if substr(major2,**1**,**6**) eq '300801' and fice eq '00197600' and academic\_year le '1516' then isSTEMH2 = 'Y' ;

else if substr(major2,**1**,**6**) eq '131307' and fice eq '00197700' and academic\_year le '1516' then isSTEMH2 = 'Y' ;

else if substr(major2,**1**,**6**) eq '310505' and fice eq '00197700' and academic\_year le '1516' then isSTEMH2 = 'Y' ;

else if substr(major2,**1**,**6**) eq '303301' and Degree\_level ='M' and academic\_year ge '1516' then isSTEMH2 = 'Y' ;

else if substr(major2,**1**,**6**) in

 ( '131311','131316','131321','131322','131323','131327' ,'131329','131337') then isSTEMH2 = 'Y' ;

else if substr(major2,**1**,**4**) in

 ('0109','0110','0111','0112','0199','0301','0303','0305','0306','0399','0402','1905','3001','3006','3010',

 '3018','3019','3025','3027','3030','3032','5212','5213') then isSTEMH2 = 'Y' ;

else if substr(major2, **1**,**2**) in

 ('11','14','15','26','27','40','41','51') then isSTEMH2 = 'Y' ;

else if (substr(major2, **1**,**2**) ='10' and academic\_year ge '1415') then isSTEMH2='Y';

 else if substr(major2,**1**,**6**) in ('422704','422801') and degree\_level='D' and inst\_type='1' then isSTEMH2 = 'Y' ;

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\* Identify degree as STEMH or not \*/

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

if (isSTEMH1 = 'Y' or

 isSTEMH2 = 'Y') then isSTEMH = 'STEMH' ;

else isSTEMH = 'Not STEMH' ;

deg\_count = **1** ;

**run**;