CHAPTER 1

(GBR) Managing HESA Returns

Bundle 28
The chapter has been updated for the second phase of Student return changes for 2012/13 (first phase was delivered in Bundle 27) and the DLHE Survey changes. This second phase reflects the HESA specification for Student record 2012/13, document version 1.2, dated 27 September 2012.

This chapter provides an overview of the Higher Education Statistics Agency (HESA) return process and discusses how to:

- Import and map HESA codes.
- Set up a HESA return.
- Set up and enter data for HESA reporting.
- Prepare for generating DLHE return.
- Generate a HESA return and create a return file.

Understanding HESA Returns

Government-funded academic institutions in the United Kingdom (UK) must submit student related returns of data to HESA. Institutions must submit the returns as an Extensible Markup Language (XML) file that conforms to the HESA schema definition.

A return is composed of various data fields. Specifications for each return and its data fields are available from the HESA website. HESA periodically amends the return specifications.

See http://www.hesa.ac.uk

PeopleSoft Campus Solutions enables you to generate the Student, Aggregate Offshore, and Initial Teacher Training (ITT) returns for the 2008–09 reporting period onwards. In addition, you can generate a Destinations of Leavers from Higher Education (DLHE) return from the 2009–10 reporting period onwards.

To generate returns for submission:

1. Select the HESA, UCAS check box on the SA Features page.
2. Select the HESA, UCAS check box on the Academic Institution 6 page to enable the UK-specific regions in the system for an institution.
3. Set up the valid HESA field codes.
4. Enter HESA-specific data into your system.
5. Generate the HESA extract data.
6. Generate the XML file for the returns.

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7. Validate the XML file for any schema errors.

Plan how you want the system to derive the return field values. Oracle recommends that you review the return type specification that is available from the HESA website to review the field descriptions, validations, and the valid field values. Refer to the (GBR) HESA Field Derivation appendix in this PeopleBook to understand how the system derives the fields.

Importing and Mapping HESA Codes

First, you import HESA field codes into your system. These codes are the valid values that the system can assign to a field in a return. For example, the Student.NATION field has HESA codes such as *DE* for Germany and *AU* for Australia.

To import HESA codes:

1. Place the HESA code list XSD file in a local directory before you access the Import HESA Codes page.
2. Use the Import HESA Codes page to load the HESA codes from the XSD file to your system.

After importing the codes, you can use the Codes page to search and view the imported codes. Also, you can use the Codes page to manually add new codes for fields.

In some cases, you must use the Code Mapping pages to map the HESA codes with the Campus Solutions codes. For example, you must map Campus Solutions marital status codes to the HESA marital status codes. You can delete a mapping by clicking the Delete Row button or inactivate a mapping by clearing the Active check box in all the Code Mapping pages.

This section discusses how to:

- Import HESA codes.
- Search for the imported HESA codes.
- Map ethnic codes.
- Map campus codes.
- Map marital status codes.
- Map religion codes.
- Map qualification codes.
- Map nationality codes.
- Map fee eligibility codes.
- Map mode of study codes.
- Map classification codes.
- Map disability codes.
- Map module outcome codes.
- Map entry qualifications.

Note. For Aggregate Offshore return, the mapping for campus codes is required. For ITT return, the mappings for ethnicity, nationality, mode of study, and disability codes are required.

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Pages Used to Import and Map HESA Codes

Page Name	Definition Name	Navigation	Usage
Import HESA Codes	SSR_HE_RUNCNTL	Records and Enrollment, HESA Reporting, Codes and Mappings, Import HESA Codes	Import HESA codes from the XML Schema Definition (XSD) file. The code list XSD file is available from the HESA website.
Codes	SSR_HE_CODES	Records and Enrollment, HESA Reporting, Codes and Mappings, Codes	View the codes that you have imported from the code list XSD file. If required, add new codes for fields.
Ethnicity	SCC_HE_ETHNIC	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Ethnicity	Map Campus Solutions regulatory region and ethnic group codes to the HESA ethnicity codes.
Campus	SSR_HE_CAMPUS	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Campus	Map Campus Solutions campus codes to the HESA campus and Institution's Own Campus codes.
Marital Status	SCC_HE_MARITAL	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Marital Status	Map Campus Solutions marital status codes to the HESA marital status codes.
Religion	SCC_HE_RELIGION	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Religion	Map Campus Solutions religious preference codes to the HESA belief and religion codes.
Qualification	SSR_HE_QUALIFIC	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Qualification	Map Campus Solutions degree codes to the HESA qualification codes.
Nationality	SCC_HE_NATIONALITY	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Nationality	Map Campus Solutions country codes to the HESA nationality codes.
Fee Eligibility	SSR_HE_FEE_ELIG	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Fee Eligibility	Map Campus Solutions residency codes to the HESA fee eligibility codes.
Mode of Study	SSR_HE_MODE_STD	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Mode of Study	Map Campus Solutions academic load codes to the HESA mode of study codes.
Classification	SSR_HE_CLASSIFI	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Classification	Map Campus Solutions honors type and honors codes to the HESA classification codes.

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Page Name	Definition Name	Navigation	Usage
Disability	SCC_HE_DISABILITY	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Disability	Map Campus Solutions type of impairment and support services request codes to the HESA disability codes. Note that the system creates disability records as part of Universities & Colleges Admissions Service (UCAS) processing. For information on how to assign impairment codes to students and specify whether or not support services have been requested, refer to *PeopleSoft Campus Community Fundamentals 9.0 PeopleBook*, "Managing Health Information", (AUS) Identifying Impairment and Support Services
Module Outcome	SSR_HE_MODULE	Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Module Outcome	Map Campus Solutions grading scheme, grading basis, grade input, and grade category codes to the HESA module outcome codes.
Entry Qualification Mapping	SSR_HE_QOE_MAP	Records and Enrollment, HESA Reporting, Codes and Mappings, Entry Qualification Mapping	Map a qualification type to a list of valid grades for that qualification. If grades are not mapped to a particular qualification type, then all the grades are available for a qualification type on the Entry Profile page. If you do this mapping, the Entry Profile page displays only the mapped grades for a type.

Importing HESA Codes

Access the Import HESA Codes page (Records and Enrollment, HESA Reporting, Codes and Mappings, Import HESA Codes).

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Import HESA Codes page

Add Attachment Click to browse to the CodeLists.xsd file that HESA delivers, and click Upload. You can browse your local drive and select a file.

Note. The upload process creates a files subdirectory to store and process the XSD file. This subdirectory is created in the server directory location that is specified in the PS_SERVDIR system parameter in the Application Server/Process Scheduler configuration file psappsrv.cfg/psprcs.cfg. Ensure that PS_SERVDIR is set up with an appropriate value in the configuration file and that users have the correct permission to access the files subdirectory.

XSD File Path Enter the path and file name of the HESA codes XSD file. You must store this XSD file on an application server that the import process can access.

Warning! For the import process to run properly, the CodeLists.xsd file should not be renamed. The import process uses the CodeLists xsd file name to determine the return type. For example, in C08053CodeLists.xsd, 053 indicates that the file is the xsd for the ITT return. If the file is renamed, the position of substring "053" might be changed or deleted. If it is not present in the filename, then it will not be correctly decoded as the ITT return. In addition, if the institution imports the Codelists for both the ITT and the Student returns, then import the ITT Codelist file first and then import the Student Codelist.

Note. The import process does not import the MODCOUNT and OUTPOSTCD codes because these codes are not required by the system. The log file for the process mentions that MODCOUNT and OUTPOSTCD codes are not imported.

Note that institutions need to handle the deletion of processed files from the application server. Therefore, after using a CodeLists.xsd file, you will need to handle the deletion of this file from the application server.

Searching for the Imported HESA Codes

Access the Codes search page (Records and Enrollment, HESA Reporting, Codes and Mappings, Codes).

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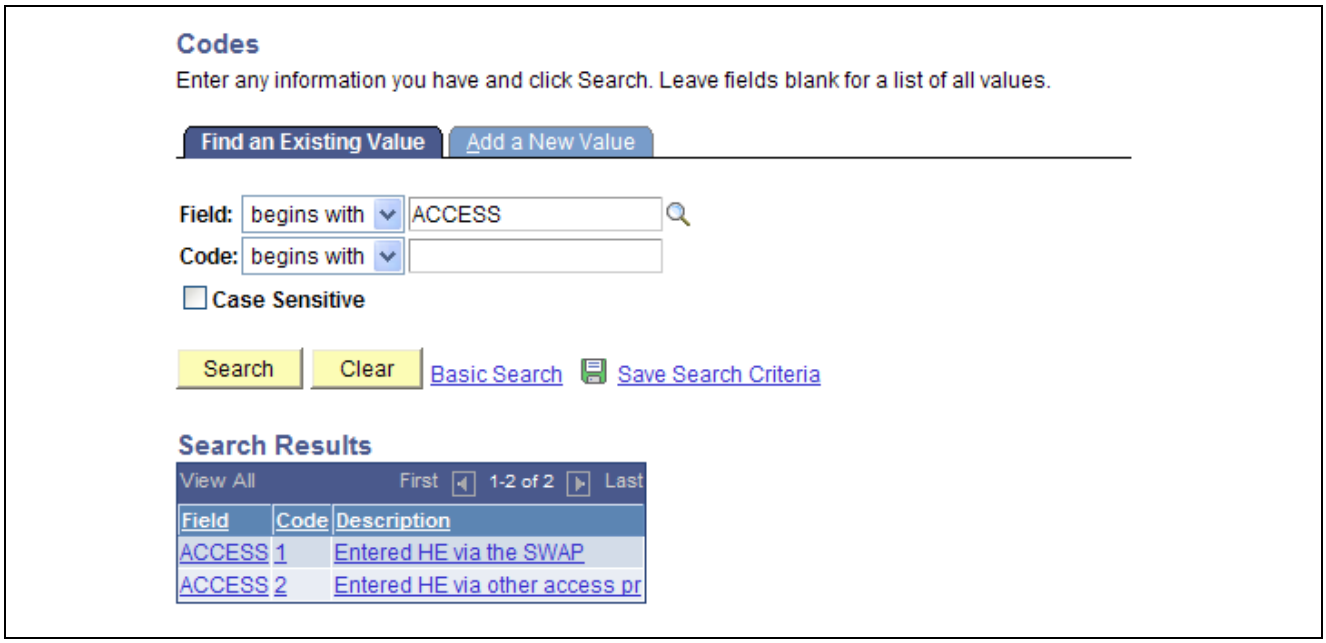
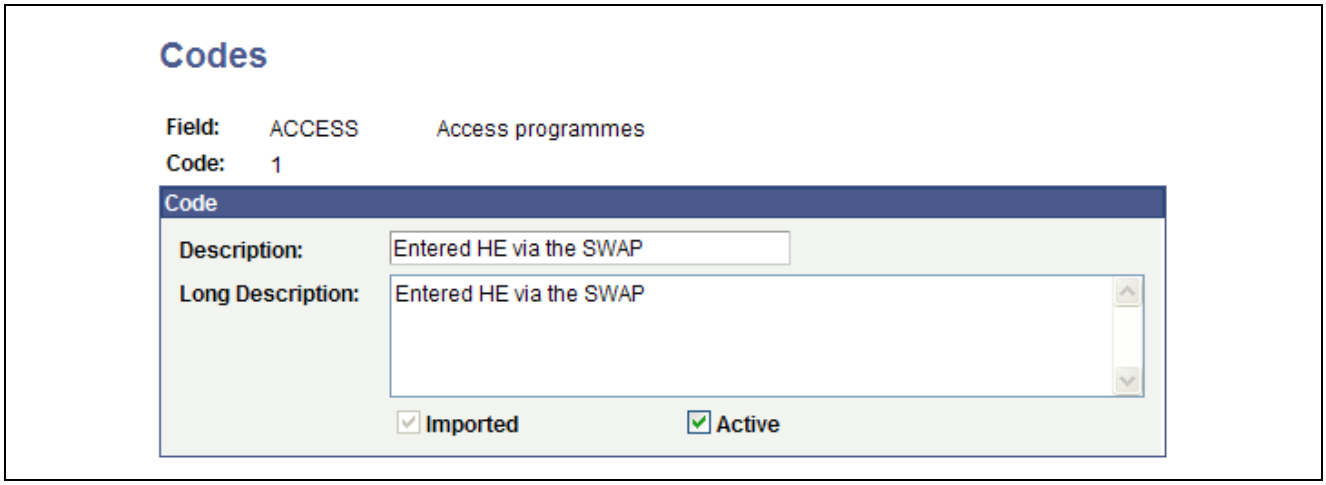


Codes search page

Use the Codes search page to search for all the codes of a specific field. If required, click the Add a New Value link to manually add a code for a field.

Click the Add a New Value link or click a link in the Search Results group box to access the Codes page.



Codes page

The text in the Description field can accept a maximum of 30 characters. Note that when you select a code on a data capture page, the page displays the text from the Description field. If the Import HESA Codes Application Engine (SSR_HE_IMPCD) process has cut a description text that extends beyond 30 characters, you can modify the description text so that a meaningful description appears on the data capture pages.

The "Setting Up and Entering Data for HESA Reporting" section discusses the data capture pages.

Mapping Ethnic Codes

Access the Ethnicity page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Ethnicity).

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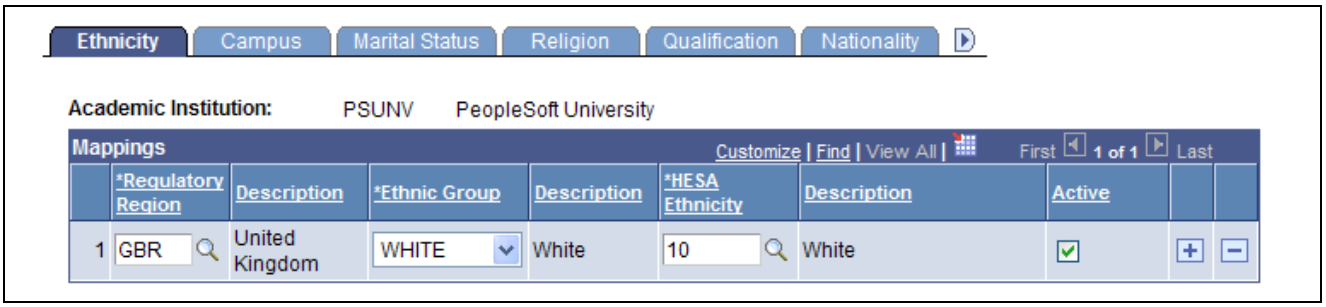
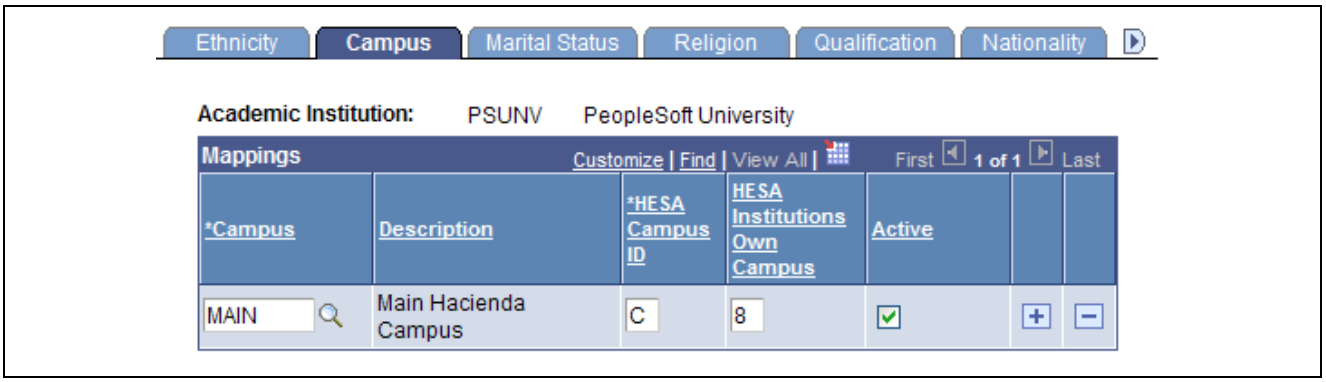


Ethnicity page

Map Campus Solutions regulatory region and ethnic group codes to the HESA ethnicity codes. The system uses this mapping to derive the Student.ETHNIC field values (for both Student and ITT returns).

Mapping Campus Codes

Access the Campus page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Campus).



Campus page

Map the Campus Solutions campus codes to the HESA Campus ID and HESA Institutions Own Campus codes. The system uses this mapping to derive the Instance.CAMPID, Instance.INSTCAMP, and Provision.INSTCAMP field values.

Mapping Marital Status Codes

Access the Marital Status page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Marital Status).

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Ethnicity | Campus | Marital Status | Religion | Qualification | Nationality

Academic Institution: PSUNV PeopleSoft University

Mappings — Customize | Find | View All | First 1-5 of 5 Last

*Marital Status	Description	*HESA Marital Status	Description	Active
Divorced	Divorced	04	Divorced	✓
Separated	Separated	03	Separated (but still legally m	✓
Married	Married	02	Married	✓
Single	Single	01	Single (never married)	✓
Widowed	Widowed	05	Widowed	✓

Marital Status page

Map the Campus Solutions marital status codes to the HESA marital status codes. The system uses this mapping to derive the EntryProfile.MARSTAT field value.

Mapping Religion Codes

Access the Religion page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Religion).

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The HESA Belief field has been added to this page. The system uses this new field to derive Student.RELBLF.

Ethnicity | Campus | Marital Status | Religion | Qualification | Nationality | Fee Eligibility

Academic Institution: PSUNV PeopleSoft University

Mappings — Personalize | Find | View All | First 1-6 of 6 Last

*Religious Preference	Description	*HESA Belief	Description	HESA Religion	Description	Active
BDHS	Buddhist	09	Christian - Other	3	Other	✓
CHRS	Christian			1	Protestant	✓
CTLC	Catholic			2	Roman Catholic	✓
HNDU	Hindu			3	Other	✓
ISLM	Islamic	01	No religion			✓
JWSH	Jewish	02	Buddhist	3	Other	✓

Religion page

Map the Campus Solutions religious preference codes to the HESA belief and religion codes. The system uses this mapping to derive the Student.RELBLF and EntryProfile.RELIGION field values.

Mapping Qualification Codes

Access the Qualification page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Qualification).

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Qualification page

Map the Campus Solutions degree codes to the HESA qualification codes. The system uses this mapping to derive the Qualifications Awarded.QUAL field value.

Mapping Nationality Codes

Access the Nationality page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Nationality).

Nationality page

Map the Campus Solutions country codes to the HESA nationality codes. The system uses this mapping to derive the Student return's Student.NATION and EntryProfile.DOMICILE field values and ITT return's Student.DEGCTRY field value.

You map only certain Campus Solutions country codes to the HESA codes for Nationality. In most cases, the system can use the two-character Campus Solutions country code (COUNTRY_2CHAR) from the Country table (PS_COUNTRY_TBL).

HESA Nationality

Enter a value only if the two-character Campus Solutions country code is not a valid value for Student.NATION and Student.DEGCTRY. For example, the French territory of Reunion Island has its own country code *RE* but the academic institution must report the value as France *FR* in Student.NATION and Student.DEGCTRY.

If you do not select a value, the system uses the default two-character country code.

HESA Domicile

Enter a value only if the two-character Campus Solutions country code is not a valid value for EntryProfile.DOMICILE. If you do not select a value, the system uses the default two-character country code.

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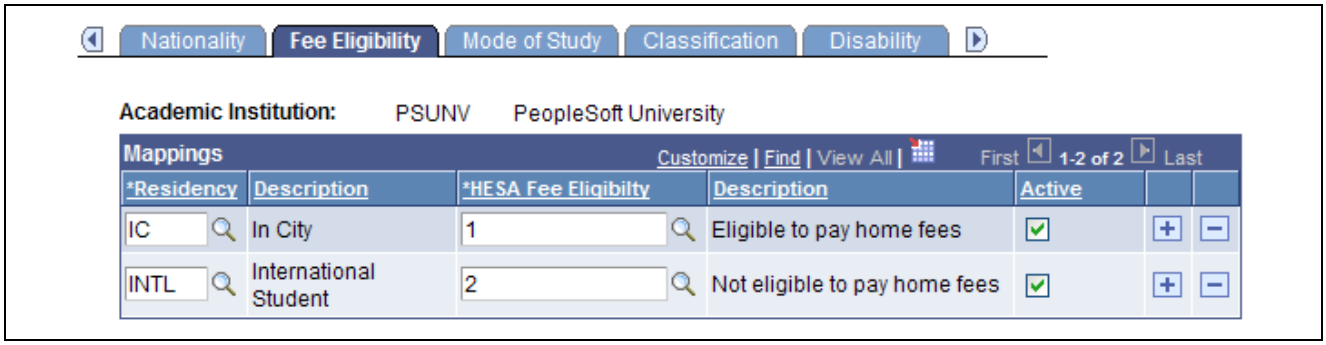
In the above exhibit example, the institution has mapped both Nationality and Domicile to *XA* for Cyprus. Therefore, if a student's record in Campus Solutions has a country code of *CYP*, the system uses the *XA* value for Student.NATION and Student.DEGCTRY, and uses the same value *XA* for EntryProfile.DOMICILE. Also, in the second row of the exhibit example, the setup indicates that if the student's record in Campus Solutions has a country code of *REU* (Reunion Island), then the system uses the value of *FR* for Student.NATION and Student.DEGCTRY. In such a case, because the HESA Domicile field has been left blank, the system uses the default two-character country code of *RE* for reporting EntryProfile.DOMICILE of the student.

See Nationality (NATION) and Domicile (DOMICILE) sections in the (GBR) HESA Field Derivation appendix of this PeopleBook.

Mapping Fee Eligibility Codes

Access the Fee Eligibility page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Fee Eligibility).

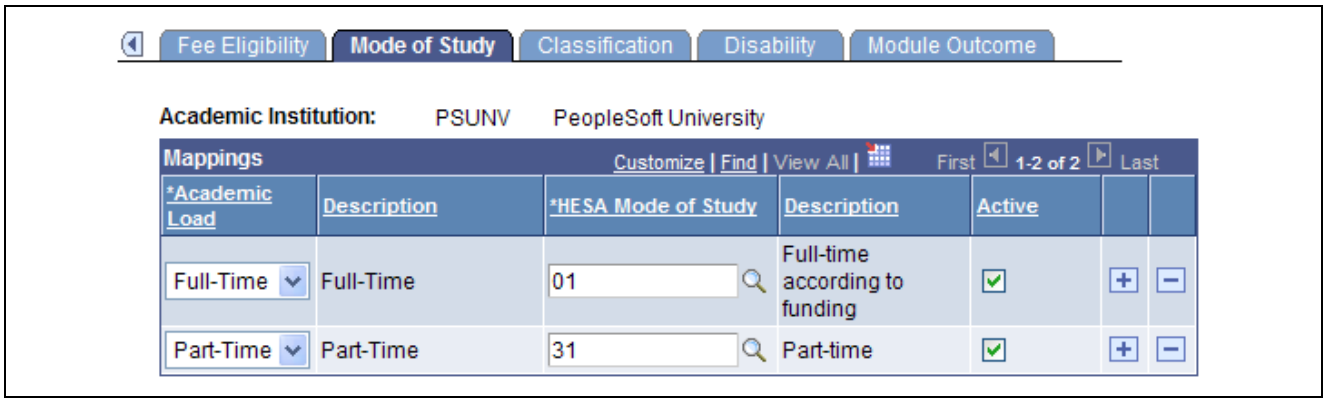


Fee Eligibility page

Map Campus Solutions residency codes to the HESA fee eligibility codes. The system uses this mapping to derive the Instance.FEEELIG field value.

Mapping Mode of Study Codes

Access the Mode of Study page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Mode of Study).



Mode of Study page

Map the Campus Solutions academic load codes to the HESA mode of study codes. The system uses this mapping to derive the Student return's Instance.MODE and ITT return's Student.MODE field values.

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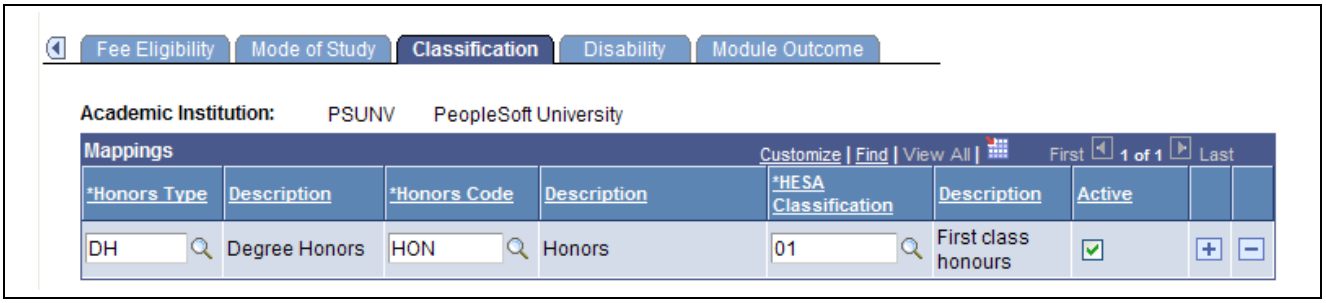
Mapping Classification Codes

Access the Classification page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Classification).

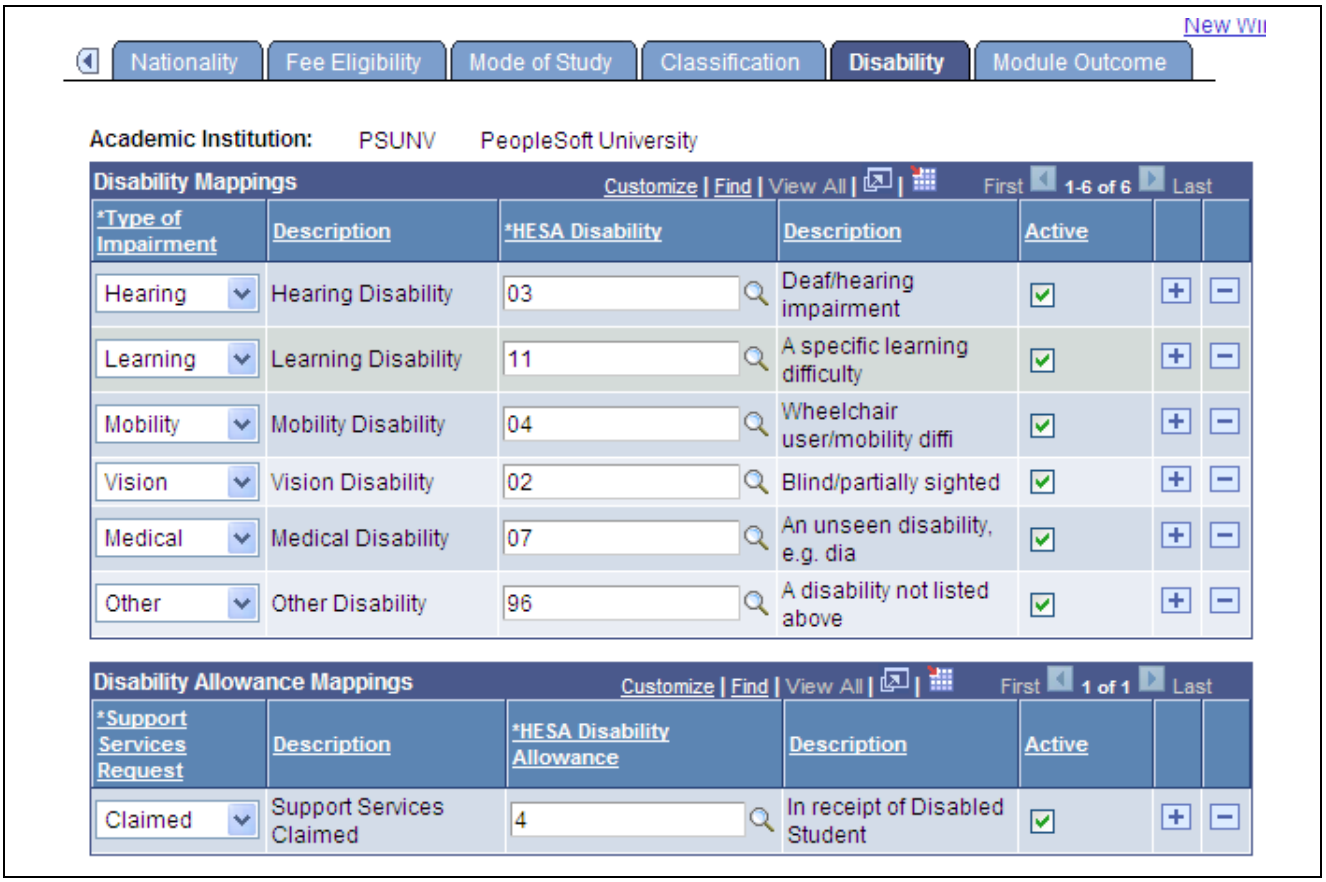


Classification page

Map the Campus Solutions honors code and type codes to the HESA classification codes. The system uses this mapping to derive the Qualifications Awarded.CLASS field value.

Mapping Disability Codes

Access the Disability page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Disability).



Disability page

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Disability Mapping

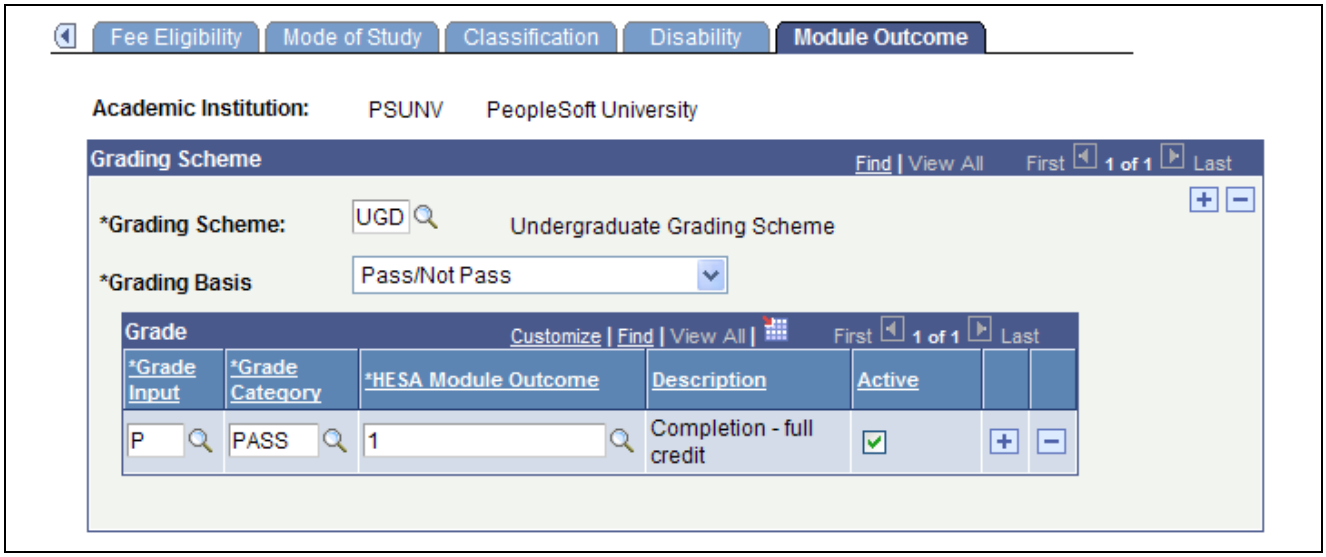
Use this region to map the Campus Solutions type of Impairment codes to the HESA disability codes. The system uses this mapping to derive the Student.DISABLE field value (for both Student and ITT returns).

Disability Allowance Mappings

Use this region to map the Campus Solutions support services request codes to the HESA disability allowance codes. The system uses this mapping to derive the DISALL field value (for both Student and ITT returns).

Mapping Module Outcome Codes

Access the Module Outcome page (Records and Enrollment, HESA Reporting, Codes and Mappings, Code Mappings, Module Outcome).



Module Outcome page

Map the Campus Solutions grade input and grade category codes to the HESA module outcome codes. The system uses this mapping to derive the Student On Module.MODOUT field value.

Mapping Entry Qualification

Access the Entry Qualification Mapping page (Records and Enrollment, HESA Reporting, Codes and Mappings, Entry Qualification Mapping).

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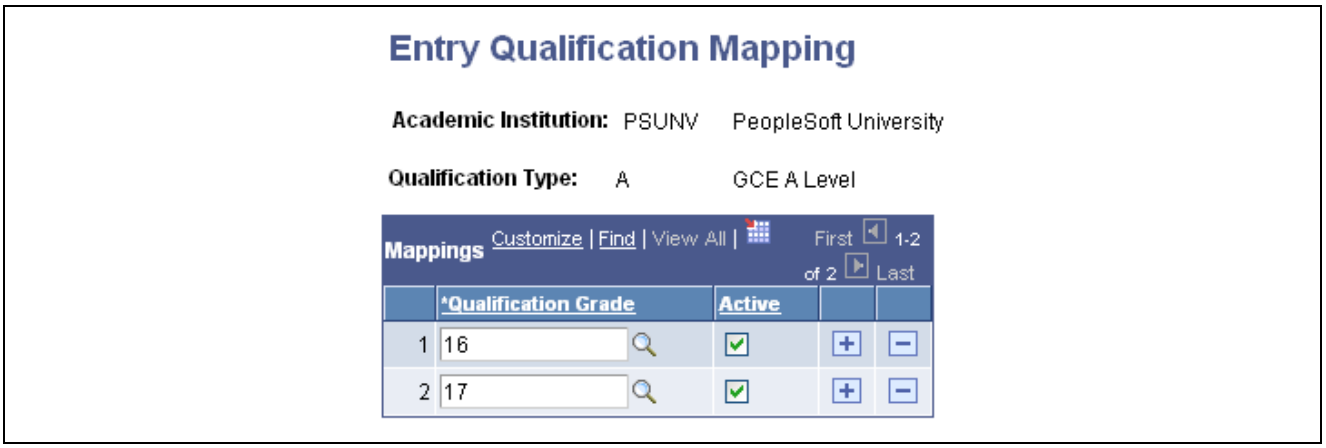

Entry Qualification Mapping page

An institution can only return specific Grades (QUALGRADE) for a Qualification Type to HESA. If an invalid Grade is returned, then validation errors will occur at HESA. Use the Entry Qualification Mapping page to define which Grade values are appropriate for a particular Qualification Type. The system then uses this mapping to ensure that only valid Grade values are entered for the selected Qualification Type on the Entry Profile page. The Import Applicant Data process also uses this mapping when importing ivStarJ records to report invalid grade values.

Setting Up a HESA Return

This section discusses how to:

- Set up a HESA return.
- Set up HESA fields.
- Set up HESA types.
- Set up HESA action reasons.
- Configure HESA.
- Generate HUSID during registration or enrollment.

Pages Used to Set Up a HESA Return

Page Name	Definition Name	Navigation	Usage
Reporting Periods	SSR_HE_REP_PERIODS	Records and Enrollment, HESA Reporting, HESA Returns Setup, Reporting Periods	View or create a reporting period. Reporting periods from 2000 onwards are delivered with your system.
Returns	SSR_HE_RETURNS	Records and Enrollment, HESA Reporting, HESA Returns Setup, Returns	View or create a return type. The STUDENT, OFFSHORE, DLHE and ITT return types are delivered with your system.

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Page Name	Definition Name	Navigation	Usage
Entities	SSR_HE_ENTITIES	Records and Enrollment, HESA Reporting, HESA Returns Setup, Entities	View or create an entity for a return type. The entities for Student, Offshore, DLHE and ITT returns are delivered with your system.
Fields	SSR_HE_FIELDS	Records and Enrollment, HESA Reporting, HESA Returns Setup, Fields	View or create return fields. For Student, Offshore, DLHE and ITT returns, the HESA fields are delivered with your system.
HESA Returns	SSR_HE_HESA_RETURN	Records and Enrollment, HESA Reporting, HESA Returns Setup, Returns Setup, HESA Returns	Create a return for a reporting period. To create a return, you can copy return setup data (such as the return fields) from another return you previously created.
HESA Fields	SSR_HE_HESA_FIELDS	Records and Enrollment, HESA Reporting, HESA Returns Setup, Returns Setup, HESA Fields	Add, edit, or view HESA fields in a return. If required, specify default and constant values for the HESA return fields.
HESA Types	SSR_HE_HESA_TYPES	Records and Enrollment, HESA Reporting, HESA Returns Setup, Returns Setup, HESA Types	For the Student return, map HESA fields to the Campus Solutions name, address and external ID types. The system uses this mapping to derive HESA return field values. Also, define the program statuses that the system uses to determine which Instances records to include in the return.
HESA Action Reasons	SSR_HE_HESA_ACTN	Records and Enrollment, HESA Reporting, HESA Returns Setup, Returns Setup, HESA Action Reasons	For the Student return, map HESA field codes to the Campus Solutions Program Action and Action Reason values. The system uses this mapping to derive HESA return field values.
HESA Configuration	SSR_HE_CONFIG	Records and Enrollment, HESA Reporting, HESA Returns Setup, HESA Configuration	Configure the system for Create Extract and Create HUSID processing. Control validation for DLHE survey.
Create HUSID	SSR_HE_CRTHUSID	Records and Enrollment, HESA Reporting, HESA Returns Setup, Create HUSID	Run the process to generate HUSIDs for students during the registration or enrollment period.

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Setting Up a HESA Return

Access the HESA Returns page (Records and Enrollment, HESA Reporting, HESA Returns Setup, Returns Setup, HESA Returns).

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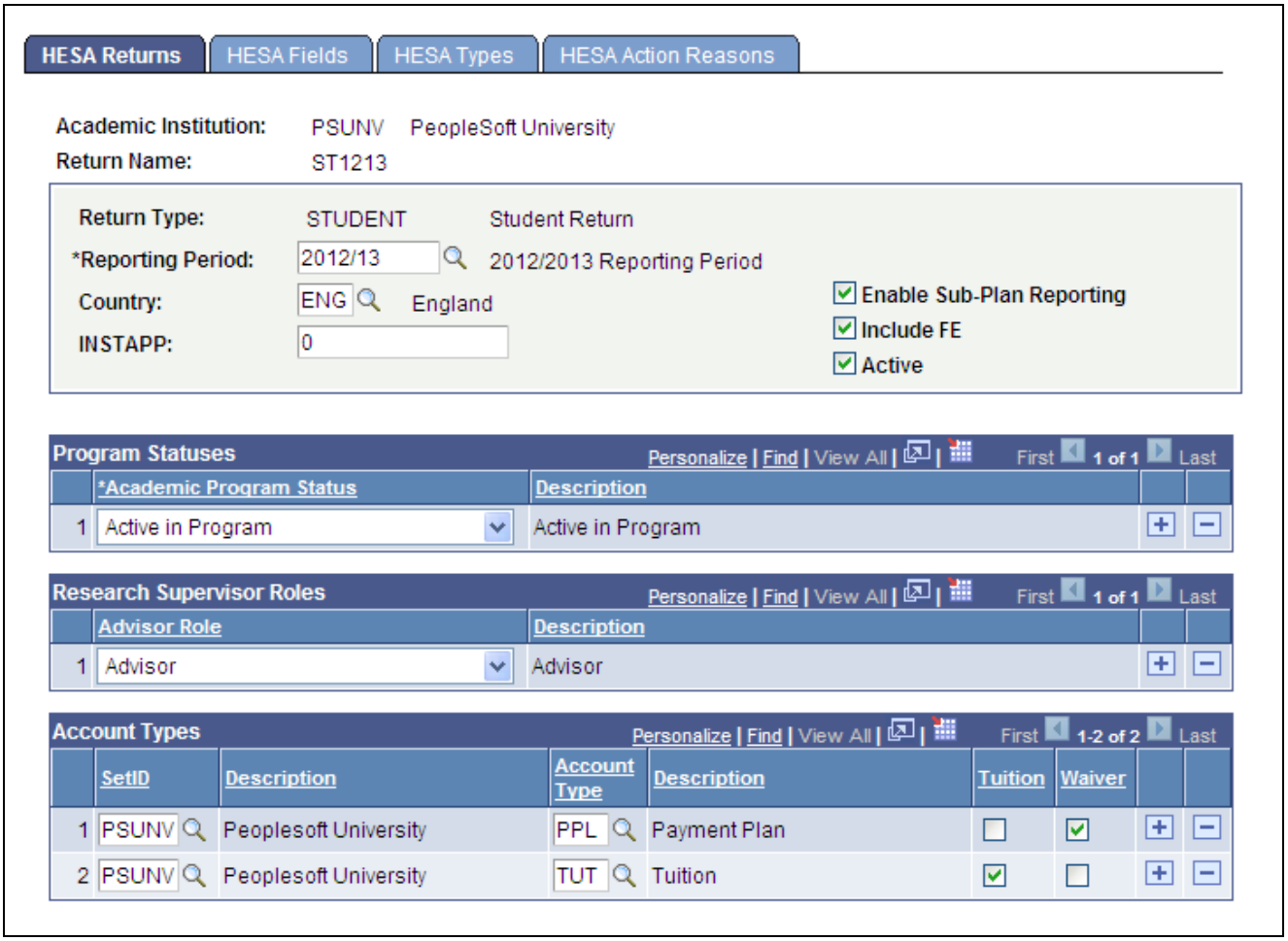
The Account Types region has been added to this page.



HESA Returns page

When adding a new return, you have to enter an academic institution and a return name. You must enter a unique return name for an academic institution.

Note. To test the Create Extract Application Engine (SSR_HE_DATA) process, you can define multiple returns for the same institution, return type, and reporting period.

When you access the HESA Returns page in add mode, the Copy Return Setup Data From group box appears.

The following example shows the HESA Returns page in add mode:

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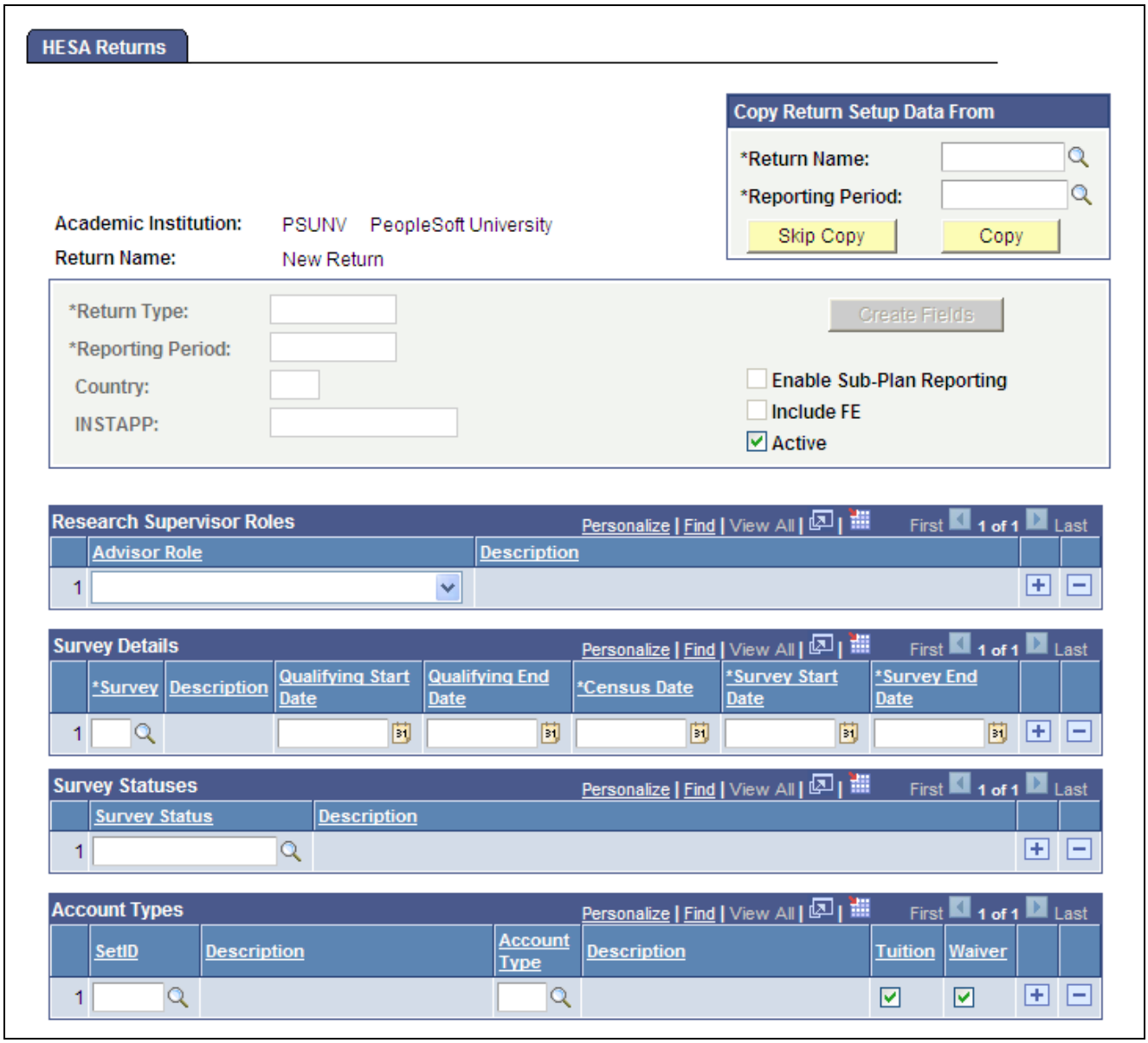

Example of HESA Returns page with the Copy Return Setup Data From group box

To create a return using the Copy Return Setup Data From group box:

1. Select a previously defined return name from which you want to copy the setup data.
2. Select a reporting period for which you want to create the return.
3. Click Copy.

The other tabs in the page appear when you copy a return or click the Skip Copy button. If you want to manually create a return, if you are creating a return for the first time, or if no appropriate records are available to copy from, click the Skip Copy button.

The Create Fields button is available only when you click the Skip Copy button. The following example shows the HESA Returns page when you click the Skip Copy button:

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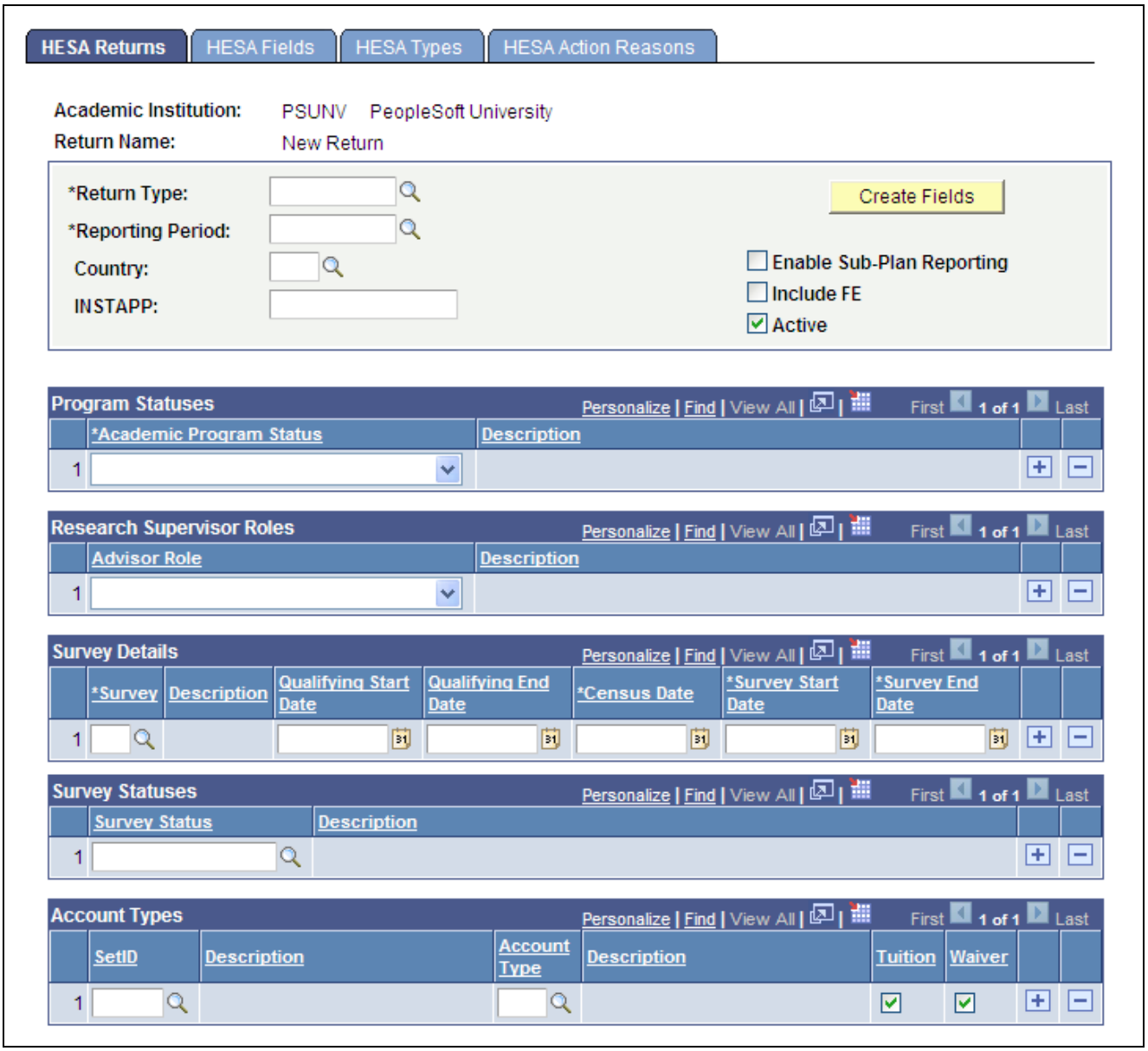

Example of the HESA Returns page after you click the Skip Copy button

After selecting a return type, you can click the Create Fields button to have the system automatically create all the entities and the associated fields for the return. The system displays the created fields on the HESA Fields page.

Return Type

Select the delivered *STUDENT* , *OFFSHORE*, *DLHE*, or *ITT* return type value.

You can also select a return type that you have defined in the Returns page.

Note. When you select *OFFSHORE*, the HESA Types and HESA Action Reasons tabs disappear. These two tabs are required only for a Student return.

Reporting Period

Select the reporting period for which you want to create the return.

Country

Select a country code that the system uses to determine which fields to include in the return. Values for this field are delivered with your system as translate

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values. Values are *England, Northern Ireland, Scotland,* and *Wales.* This field is not applicable for the Aggregate Offshore return.

INSTAPP Enter a value that you want the system to return in the Institution.INSTAPP field of the return. This field is not applicable for the Aggregate Offshore and ITT returns.

Enable Sub-Plan Reporting Select if you want to enter the reporting data in the Sub-Plan HESA and the Sub-Plan Offering/Year HESA pages. Selecting this check box enables the system to use the entered subplan level data to generate the HESA return.

Include FE (Include further education) Select to have the system derive fields relevant to further education (FE) students. This field is not applicable for the Aggregate Offshore return.

Active Clear this check box if you want to prevent old test returns from being displayed in the search results.

For more information about the HUSID, INSTAPP, and UKPRN fields, refer to the HESA Student Record specification available from the HESA website. Specification for the HUSID digit structure can also be found on the HESA website.

Program Statuses

Select program statuses that the system can use for creating Instance entities.

See (GBR) HESA Field Derivation appendix in this PeopleBook for more information.

Research Supervisor Roles

This region is applicable for only the Student return.

Select Advisor Role values that the system uses to determine which Student Advisor records to consider when creating RAE Data entities in the Student return.

Survey Details

The system enables the Survey Details region when you select the DLHE return type. Use this region to define the details of the two surveys (April and January) for each DLHE reporting period.

Survey Select the survey translate values, either *1* for the April survey or *2* for the January survey.

Qualifying Start Date Select the start date to be used when identifying students who qualify for the survey. If the Survey value is April, the value defaults to the reporting period start date. If the Survey value is January, the value defaults to 01-JAN-YYYY where the year value is the year value of the reporting period end date.

Qualifying End Date Select the end date to be used when identifying students who qualify for the survey. If the Survey value is April, the value defaults to 31-Dec-YYYY, where the YYYY value is the year of the reporting period start date. If the Survey value is January, the value defaults to the reporting period end date.

Census Date Select the census date for the survey. This system also displays the date to the student on the Survey questionnaire

Survey Start Date Select the date when the survey is available for completion by the student.

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Survey End Date Select the date when the survey is no longer available for completion by the student.

Survey Statuses

The system enables the Survey Statuses region when you select the DLHE return type. Use this region to define which surveys, based on the survey status, should be included by the Create Extract process.

Survey Status Select the translate values of the statuses to be included in the HESA extract.

Account Types

The system enables the Account Types region when you select the Student return type. Use this region to specify the account types that your institution uses for tuition and waiver charges. The system uses the values that you enter in this region to derive Instance.GROSSFEE and Instance.NETFEE.

Setting Up HESA Fields

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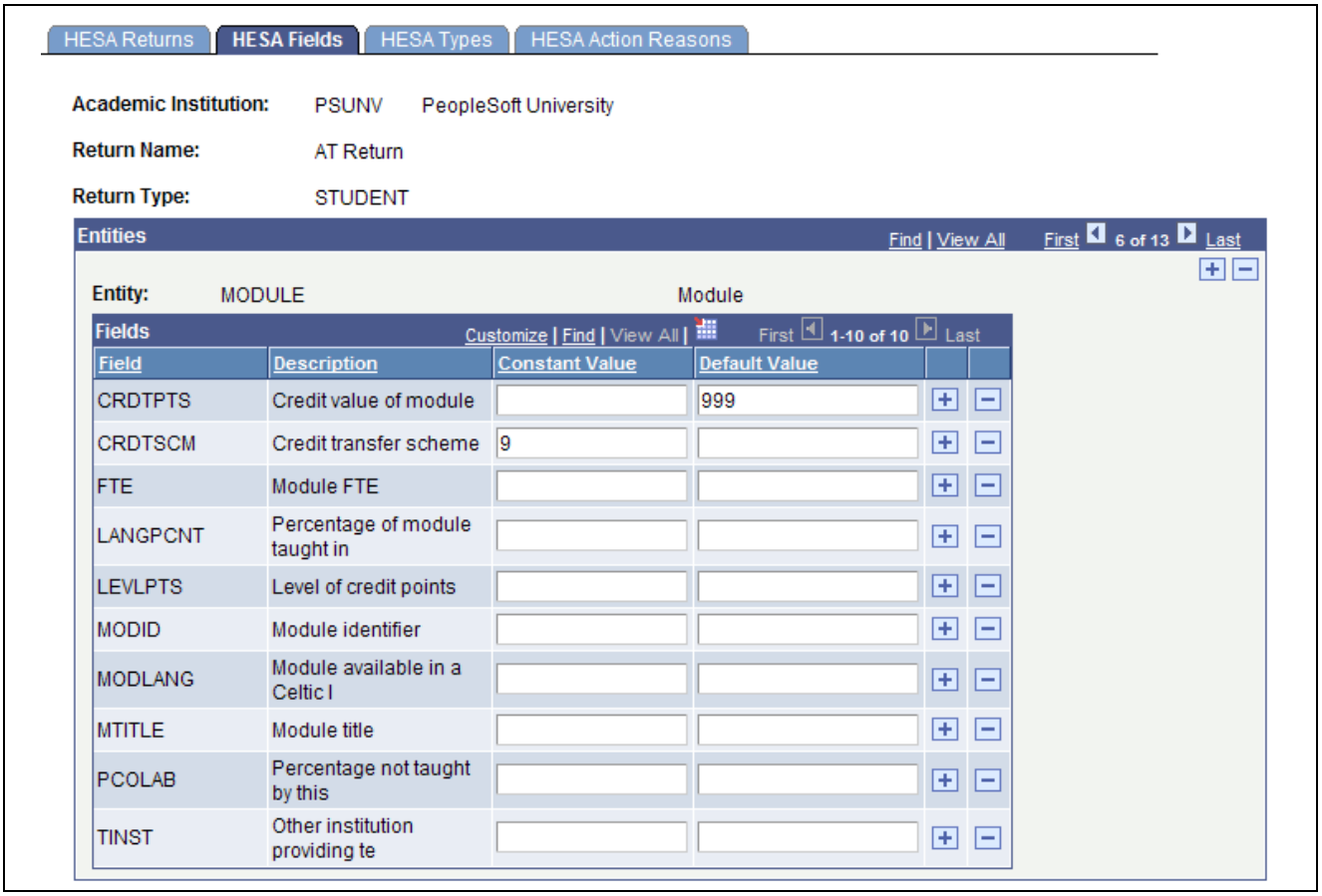
With this bundle, new fields and entities have been introduced for Student return 2012/13.

Access the HESA Fields page (Records and Enrollment, HESA Reporting, HESA Returns Setup, Returns Setup, HESA Fields).



HESA Fields page

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Use a field constant when your institution wants to return the same value for an entity. For example, if you want the system to derive the Credit transfer scheme as No Scheme for all modules in the Student return 2008/09, set the Module.CRDTSCM constant value to *9*.

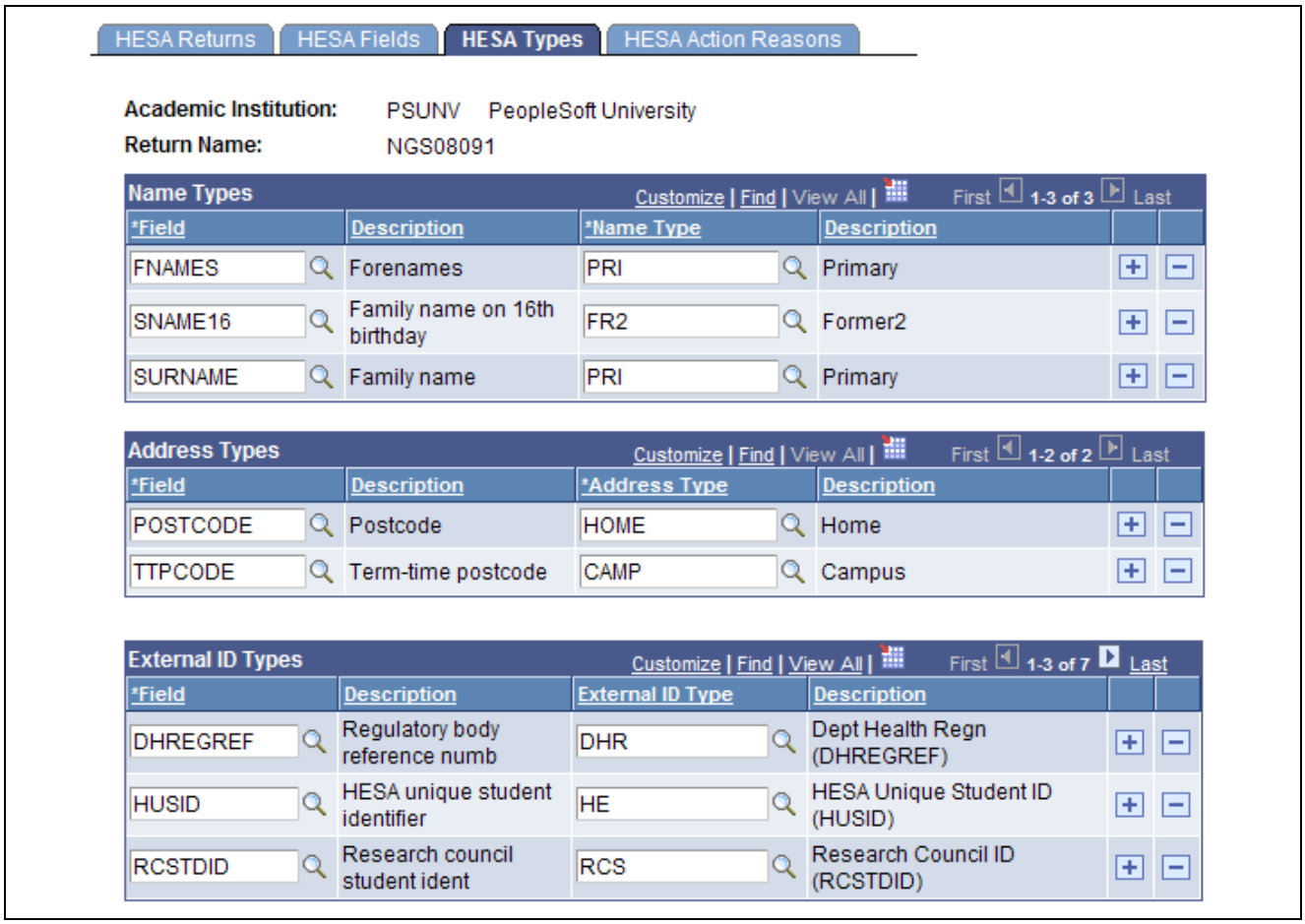
Use the field default to reduce the amount of data entry by defining a default value to be used when no value is derived for a mandatory field. For example, if a default value of 999 is defined for the Module.CRDTPTS field, and no data is found for a module, then *999* is used.

Note that you must enter the value *NULL* if you want to define a null constant or default.

Setting Up HESA Types

The HESA Types page is not applicable for the Aggregate Offshore return.

Access the HESA Types page (Records and Enrollment, HESA Reporting, HESA Returns Setup, Returns Setup, HESA Types).



HESA Types page

The system uses the Name Types mapping to derive the following fields for both ITT and Student returns:

- Student.FNAMES
- Student.SNAME16
- Student.SURNAME

The system uses the Address Types mapping to derive the following fields:

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- EntryProfile.POSTCODE
- Student.TTPCODE

Note. The Address Types region is not applicable for the ITT return.

The system uses the External ID Types mapping to derive the following fields for the Student return:

- Instance.DHREGREF
- Student.HUSID
- Instance.RCSTDID
- Student.SCN
- Instance.TREFNO
- Student.UCASPERID
- Student.ULN

The system uses the External ID Types mapping to derive the following fields for the ITT return:

- Student.HUSID
- Student ISANUM
- Student.NIN
- Student.SKILLTEST
- Student.TREFNO
- Student.ULN

For information about defining external systems and entering external system IDs for a person or an organization:

See [Managing External System Data About an Individual or Organization]Managing External System Data About an Individual or Organization.

Setting Up HESA Action Reasons

The HESA Action Reasons page is not applicable for the Aggregate Offshore return.

Access the HESA Action Reasons page (Records and Enrollment, HESA Reporting, HESA Returns Setup, Returns Setup, HESA Action Reasons).

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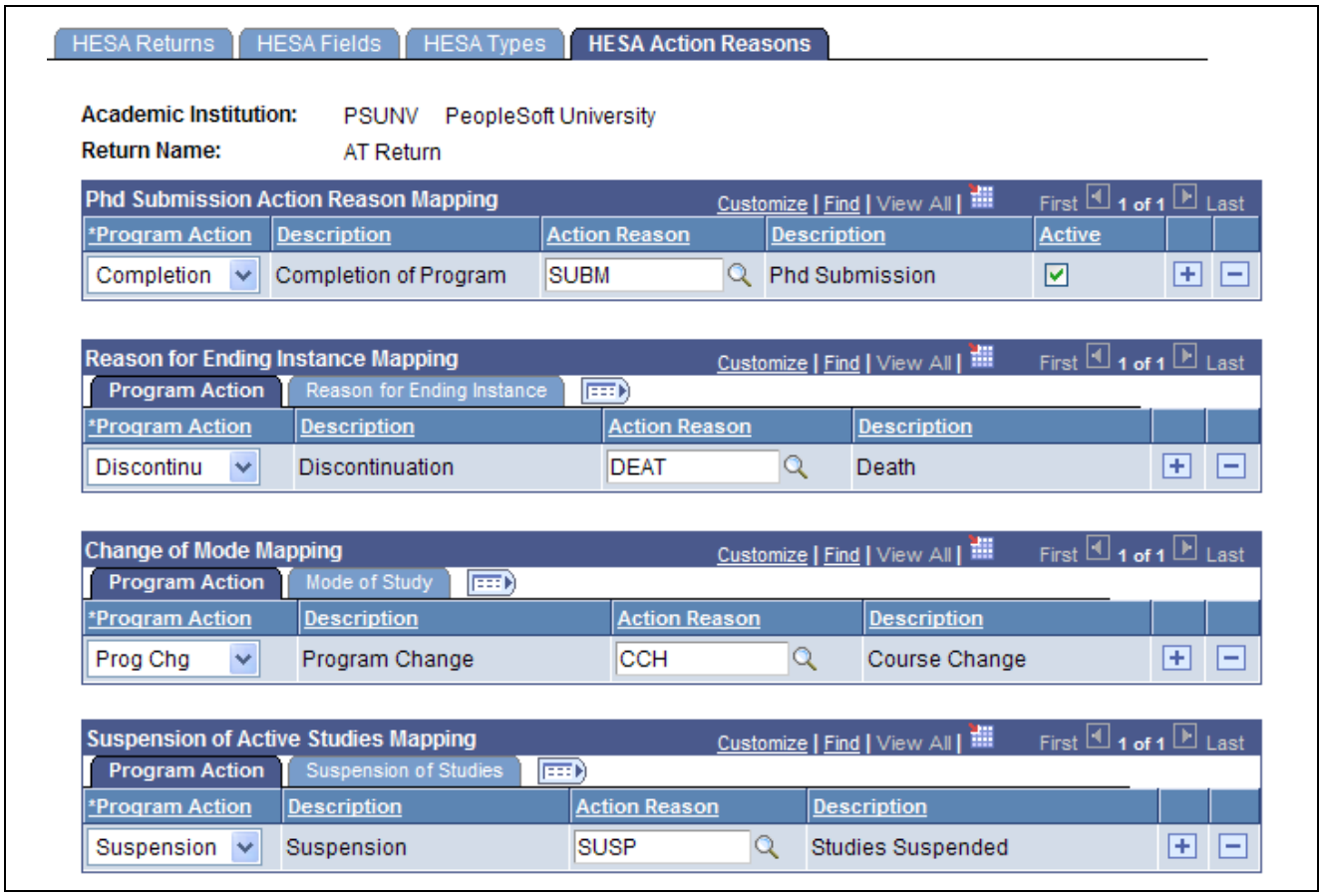

HESA Action Reasons page (with the Program Action tabs selected) (1 of 2)

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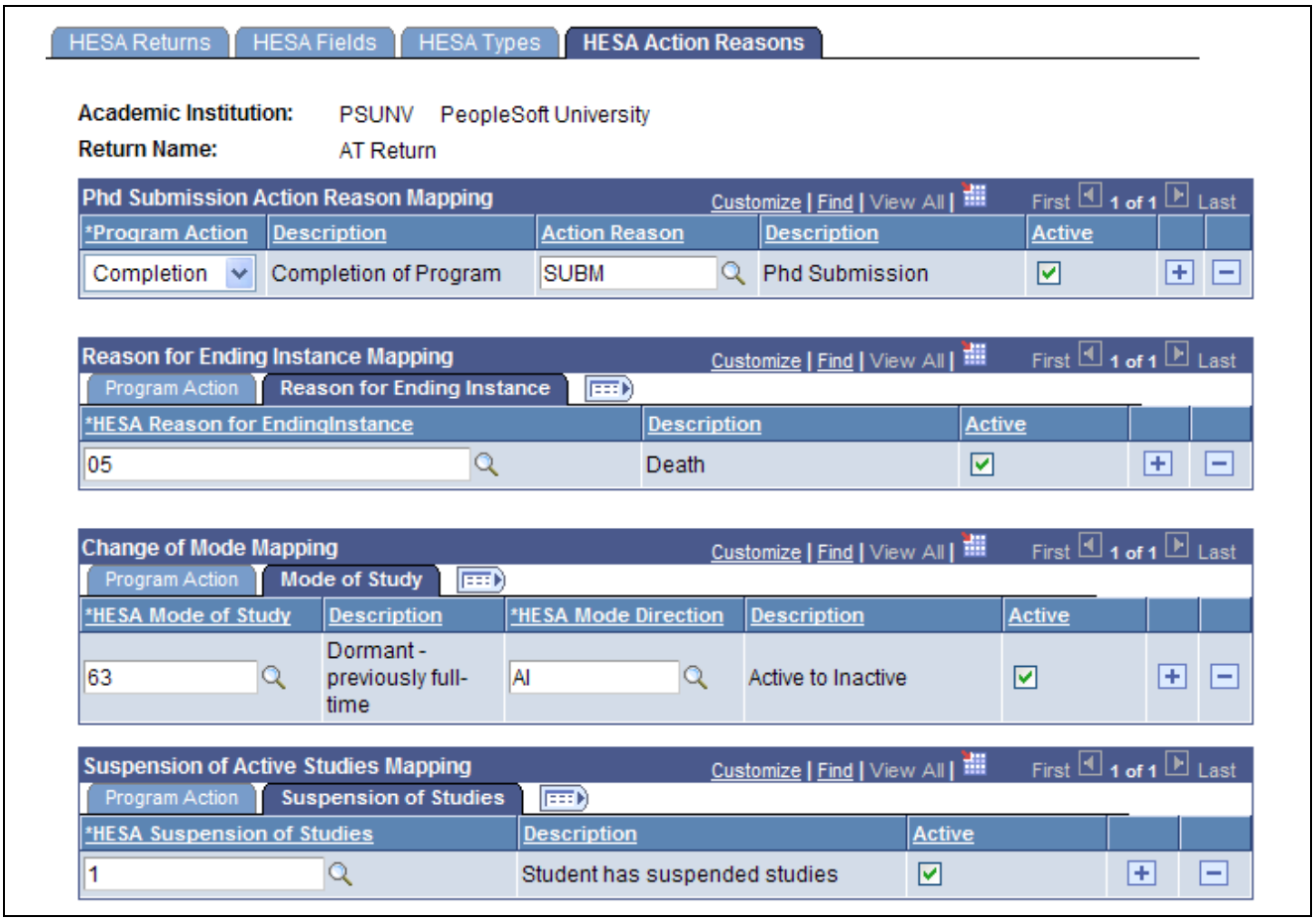

HESA Action Reasons page (with the Reason for Ending Instance, Mode of Study, and Suspension of Studies tabs selected) (2 of 2)

Use this page to define the combinations of program action and action reason that the system uses to indicate PHD submission for research students, reason for ending studies, mode change, and suspension of active studies.

Note. The Phd Submission Action Reason Mapping and Suspension of Active Studies Mapping regions are not applicable for the ITT return.

Phd Submission Action Reason Mapping

The system uses this mapping to derive the Instance.PHDSUB field.

Reason for Ending Instance Mapping

Map the program action and action reason values to the HESA Reason for Ending Instance codes. Click the Reason for Ending Instance tab to enter the HESA Reason for Ending Instance code.

The system uses this mapping to derive Student return's Instance.ENDDATE and Instance.RSNEND fields, and ITT return's Student.ENDDATE and Student.RSNEND fields.

Change of Mode Mapping

Map the program action and action reason values to the HESA Mode of Study and HESA Mode Direction codes. Click the Mode of Study tab to enter the HESA mode of study and direction codes.

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The system uses this mapping to derive the Student return's Instance.MODE field and ITT return's Student.MODE field.

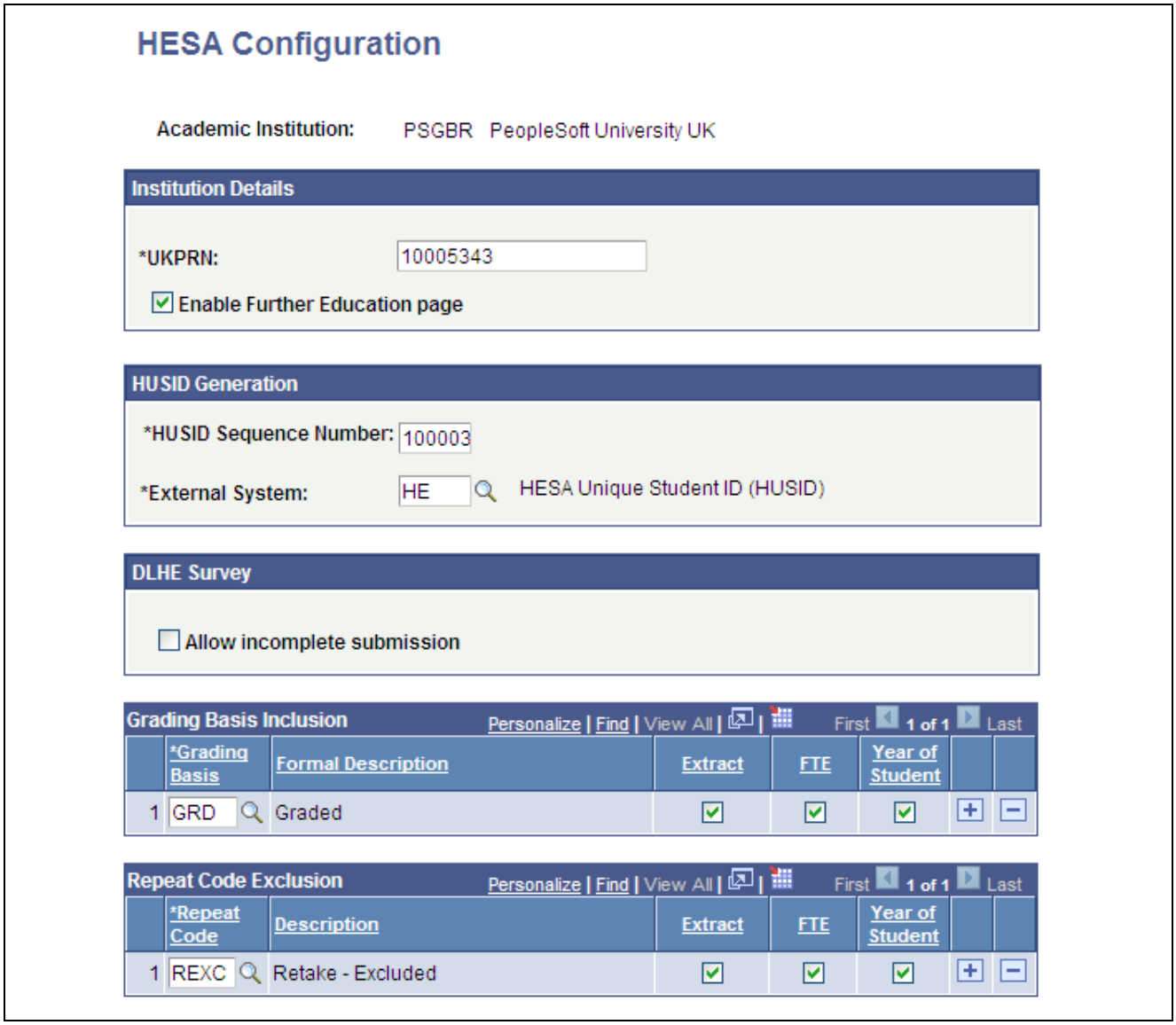
Suspension of Active Studies Mapping

Map the program action and action reason values to the HESA Suspension of Studies codes. Click the Suspension of Studies tab to enter the HESA Suspension of Studies codes.

The system uses this mapping to derive the Instance.NOTACT field.

Configuring HESA

Access the HESA Configuration page (Records and Enrollment, HESA Reporting, HESA Returns Setup, HESA Configuration).



HESA Configuration page

You must use this page to configure HUSID before running the Create HUSID process or the Create Extract process.

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UKPRN	Enter a value that you want the system to return in the Institution.UKPRN field of the return.
Enable Further Education page	Select to enable the Further Education page on the HESA Instance Details component (SSR_HE_INSTANCE). If this check box is deselected, you cannot access the Further Education page. **Note.** The fields on the Further Education page are only relevant to institutions in England and Wales.
HUSID Sequence Number	Enter the starting number for the system-assigned 6-digit number included in the 13-digit HUSID number. For each student without an existing HUSID, the Create HUSID process or the Create Extract process assigns a unique 13-digit HUSID value in the return.
External System	Select the External ID Type that the Create HUSID or Create Extract process uses for HUSID value.

Note. For students without HUSIDs, the system creates HUSIDs when you run the Create Extract process for the Student return. However, if you want to create these IDs at the point of registration or enrollment for new students and before running the Create Extract process, run the Create HUSID process.

For information about defining external systems and entering external system IDs for a person or an organization:

See [Managing External System Data About an Individual or Organization]Managing External System Data About an Individual or Organization.

Allow incomplete submission

Select to allow incomplete submission of the Enter Survey self-service page data.

If the Allow Incomplete Submission check box is not selected and the student clicks the Submit button on Section F of the Enter Survey self-service page:

- If there are any questions in the Incomplete Questions section then a message *(In order to submit your survey all questions must be complete. Please update any incomplete questions and then select Submit)* appears and the system saves the survey record but does not submit it. The student can then navigate back to other sections and enter the answers.
- If all the questions are answered, the system submits the survey.

If the Allow Incomplete Submission check box is selected and the student clicks the Submit button:

- If Q1 appears in the Incomplete Questions section, then a message *(In order to submit your survey Section A must be complete. Please update any incomplete questions and then select Submit)* appears and the system saves the survey record but does not submit it. The student can then navigate back to Section A to enter the answers.
- If Q1 is answered, the system submits the survey.

This check box is applicable for only students accessing the Enter Survey self-service page. If you are accessing the Enter Survey self-service page by clicking the Enter Survey button on the Survey Management page, then this check box does not impact you.

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Grading Basis Inclusion and Repeat Code Exclusion

These regions enable you to specify which Grading Basis values to include and which Repeat Codes to exclude in the Create Extract, Calculate Full-Time Equivalence, and Calculate Year of Student processes

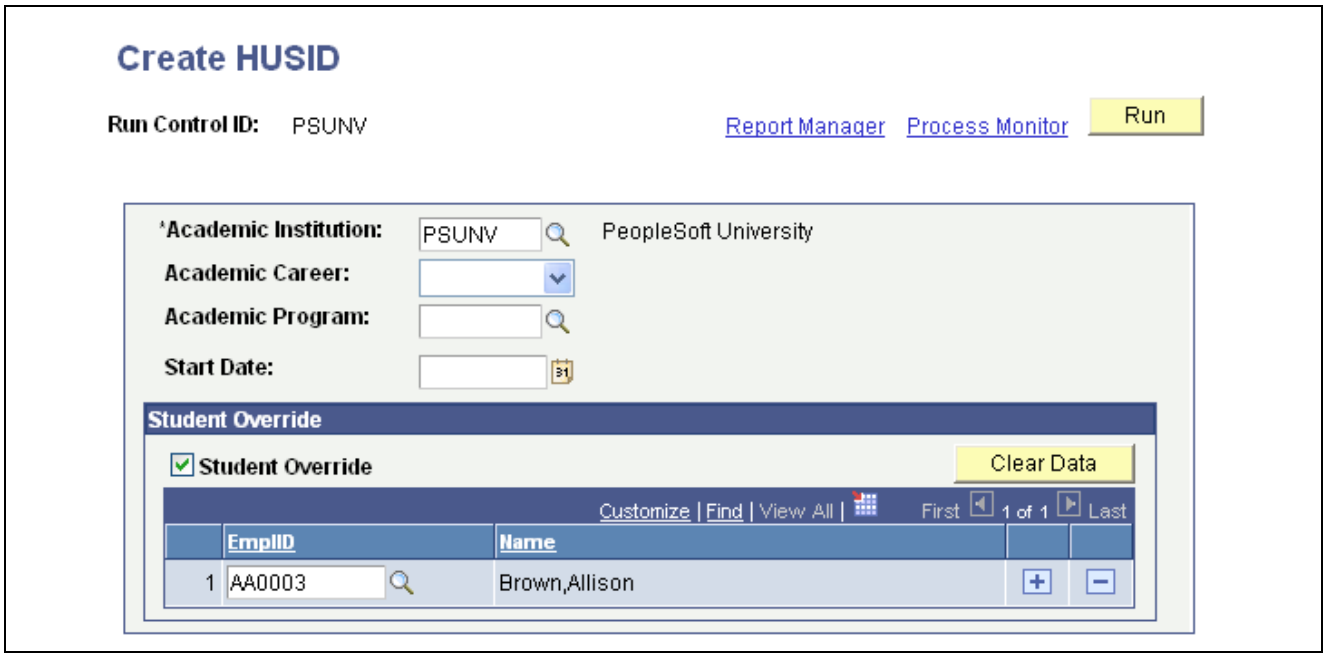
In the Grading Basis Inclusion region, when you select a Grading Basis and select a check box for the Extract, FTE or the Year of Student process, the selected Grading Basis is considered by the selected process. In the Repeat Code Exclusion region, when you select a Repeat Code and select a check box for the Extract, FTE or Year of Student process, the selected process excludes class enrollments for the selected Repeat Code.

See [PeopleSoft Enterprise Student Records 9.0 PeopleBook]Setting Up Grading.

See [PeopleSoft Enterprise Student Records 9.0 PeopleBook]Setting Up Repeat Checking .

Generating HUSID During Registration or Enrollment

Access the Create HUSID page (Records and Enrollment, HESA Reporting, HESA Returns Setup, Create HUSID).



Create HUSID page

Run the Create HUSID process if you want to create HUSIDs when registering or enrolling new students and before running the Create Extract process.

Start Date Specify a date if you want the process to only examine Student Program records that are Active or Matriculated on or after the specified date. For example, if you enter January 5, 2009, the process creates HUSIDS for students who have records that have a program action of MATR or ACTV with an effective date of January 5, 2009 or later.

The process selects a student's earliest MATR Student Program record to create a HUSID. If the MATR record is not available, then it selects the student's earliest ACTV record. If a record is found, the process uses the record's effective date for the entry year element. Then, the Create HUSID process uses the following logic to generate the HUSID value for a student who does not have a HSUID:

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- The first two digits of HUSID represent the year the student entered the Institution (for example, 08 for 2008). The entry year is determined as the final two digits of the year element of the effective date of the selected Student Program record.
- The next four digits represent the institution identifier.
  - The process calculates the institution identifier as Institution Code plus 1000 (for example, 0184 is calculated as 1184)
  - Note that the process picks the Institution Code value from the HESA Configuration page.
- The next six digits represent the system assigned sequence number.
  - Note that the starting number is defined in the HESA Configuration page. The process assigns this number for the first student for whom calculation is done.
  - The system automatically increases the starting number by one when it assigns a new sequence number.
- The final digit is a check digit based on the existing ten digits. See the HESA website for details on check digit calculation.

Setting Up and Entering Data for HESA Reporting

This section provides an overview of setting up and entering data for HESA reporting and discusses how to:

- Set up data capture rules.
- Enter HESA data for an academic program.
- Enter HESA data for a program offering and program year.
- Enter HESA data for an academic plan.
- Enter HESA data for a plan offering and plan year.
- Enter HESA data for a subplan.
- Enter HESA data for a subplan offering and subplan year.
- Create HESA modules.
- Enter HESA data for a module.
- Enter HESA data for a dummy module.
- Create HESA Instance and Person HESA Data Records for students.
- Enter HESA data for a person.
- Enter HESA Instance data for a student.
- Enter HESA Entry Profile data for a student.
- Calculate Year of Student values for students.
- Calculate Full-Time Equivalence for students.
- Enter HESA advisor data for a student.
- Enter DEGEST value.
- Enter DEGTYPE value.

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Understanding Setting Up and Entering Data for HESA Reporting

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To ensure valid values are entered, validation changes have been made for these fields on the Program/Plan/Sub-Plan HESA Data pages:
• AWARDBOD and AWARDBOD2 to AWARDBOD8: Although the generic codes (1, 2, 3 or 4) are provided in C12051CodeLists.xsd, you can enter a 8 character UKPRN rather than select a code from the prompt. The same change has been made to the AWARDBOD and AWARDBOD2 to AWARDBOD8 fields on the Program Offering/Plan Offering/Sub-Plan Offering HESA Data pages.
• PROPFUNDREMAIN: Value should be in the range of 0 to 100.

To derive a field, the system checks each data capture level to find out whether a field value has been defined. Each level is associated with a Campus Solution page or a group box. For example, to derive the Instance.EXCHANGE field, after checking if a constant value exists for a field, the system first looks at the Instance level to see if the field value has been defined on the HESA Instance page. If it does not find a value at the Instance level, then it checks whether a value has been defined on the following pages and group boxes:

1. Sub-Plan Year HESA Data group box in the Sub-Plan Offering/Year HESA page (Subplan Year level).

   You can define field values at this level when different values are required for different years of program and the subplan is being reported to HESA. For example, if students in year three of a full-time offering undertake an exchange year away from the home institution, then the appropriate Instance.EXCHANGE value can be defined for that offering year at the Subplan Year level.

2. Sub-Plan HESA Data page (Subplan level)

   The system looks at this level only if the Course entity is based on a subplan.

3. Plan Year HESA Data group box in the Plan Offering/Year HESA page (Plan Year level)

4. Plan HESA Data page (Plan level)

5. Program Year HESA Data group box in the Program Offering/Year HESA page (Program Year level)

6. Program HESA Data page (Program level)

   Although the system derives Course records from either plans or subplans, you can define values at the program level if required. Typically, you would define a field value at the program level when you want the system to derive the same HESA field value for all the child plans, subplans, or both child plans and subplans of a program. For example, if a program exists specifically for incoming exchange students, define the appropriate Instance.EXCHANGE value only at the program level. The system includes this program level field value in the return for all the Instances associated with the plans or subplans of the program.

The system looks at the Subplan Year and Subplan levels only if the course entity is based on a subplan. For Subplan Year and Plan Year levels, the system uses the field values defined for the combination of Academic Load and Year of Program of the student instance.

The pages and group boxes for other levels include:

- Program Offering HESA Data group box in the Program Offering/Year HESA page (Program Offering level)
- Plan Offering HESA Data group box in the Plan Offering/Year HESA page (Plan Offering level)

  You can define field values at the Plan Offering level when you want to report different field values for different offerings. For example, the expected length of study (Instance.SPLENGTH) for students studying a full-time offering will typically be different from that of a part-time offering. In this case, you can define different values at plan offering level for each offering.

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- Sub-Plan Offering HESA Data group box in the Sub-Plan Offering/Year HESA page (Subplan offering level)
- Module HESA Data and HESA Dummy Module Data pages (Module level). Module level is equivalent to the Course Offering level. The system uses the field values entered at the Module level to create the Module, Module Subject, and Student On Module entities.
- Person HESA Data page (Student level).

  The system uses the field values entered at the Student level to create the Student entity.
- Advisor HESA Data page (Advisor level)

  Use this page to define research units of assessment for an instructor or an advisor. The system uses the values entered at this level to create the RAE Data entity.

After you import the HESA codes and define the data capture rules in the Institution Data Capture page, you can:

- Enter return field values at the academic program, plan, and subplan levels.
- Enter return field values at the program, plan and subplan offering levels. An *offering* is a program, plan, or subplan associated with an academic load.
- Enter return field values at the program, plan, and subplan program year levels. A *program year* is a program associated with an academic load and year of program.
- Enter return field values for modules and module subjects for course offerings.
- Review and edit return field values for student personal attributes such as nationality and ethnicity. Some of the data that the system uses for HESA reporting, such as addresses, will already be in your database.
- Use the Create HESA Instance Application Engine (SSR_HE_CRTHE) process to specify the student data you want to report.
- Review and enter Instance-specific return field values, such as entry qualifications, year of program, and qualifications awarded.

You can decide at which levels the system should capture data for HESA reporting. For example, you can decide not to enter a Course.CLSDCRS value in the Program HESA Data page but enter it in the Plan HESA Data page. You can decide to enter the Instance.FEEELIG value in the HESA Instance page for each student rather than storing the Instance.FEEELIG data in the Program HESA Data page. Refer to the (GBR) HESA Field Derivation appendix in this PeopleBook to understand how the system derives field values at each level.

The system can create Course entities from either plans or subplans, depending on your academic structure setup. For example, you can either select the Biology plan for reporting to HESA or select its subplans, such as Molecular Biology and Marine Biology, for reporting to HESA, but you cannot select both.

The pages you use for entering HESA data at various levels are available only if you select the HESA, UCAS check boxes on the SA Features and the Academic Institution 6 pages.

Note. The (GBR) HESA Field Derivation appendix describes the delivered functionality for deriving the HESA return fields. You can use the Institution Data Capture page to determine at which level the system should derive the fields.

Other than the various data capture levels, the system may use a constant or a default value set up on the HESA Fields page based on the derivation logic.

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Deriving FTE Calculation Type and FTE Load

On each data capture page (which corresponds to a data capture level), optional Full-Time Equivalence (FTE) Calculation Type and FTE Load fields are available. The Calculate Full-Time Equivalence process uses the field values to determine which FTE calculation type to use for each student. If you select *Derive load from Program* as the calculation type, the process uses the FTE Load value for calculation.

Pages Used to Set Up and Enter Data for HESA Reporting

Page Name	Definition Name	Navigation	Usage
Institution Data Capture	SSR_HE_INST_DATA	Records and Enrollment, HESA Reporting, HESA Returns Setup, Data Capture Setup	Create and maintain the rules to capture HESA data in the system. Use this page to control which fields are available on the various HESA data capture pages. Use this page to make any new fields (that are delivered with a Campus Solutions bundle) available on the HESA data capture pages.
Program HESA Data	SSR_HE_PROG	Set Up SACR, Foundation Tables, Academic Structure, Academic Program Table, Program HESA Data	Enter or modify values that the system can use for creating Student return's Course, Course Subject, and Instance entity data at the program level. Indicate the HESA subjects that the system can use for creating ITT return's Course Subject entity data (SBJCA field) at the program level.
Program Offering/Year HESA	SSR_HE_PROG_OFFRYR	Set Up SACR, Foundation Tables, Academic Structure, Academic Program Table, Program Offering/Year HESA	Enter or modify values that the system can use for creating Student return's Instance entity data at the program offering and program year levels.
Plan HESA Data	SSR_HE_PLAN	Set Up SACR, Foundation Tables, Academic Structure, Academic Plan Table, Plan HESA Data	Enter or modify values that the system can use for creating the following at the plan level: Student return's Course, Course Subject, and Instance entity data. Aggregate Offshore return's Provision entity data. ITT return's Course Subject entity data (SBJCA field).

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Page Name	Definition Name	Navigation	Usage
Plan Offering/Year HESA	SSR_HE_PLAN_OFFRYR	Set Up SACR, Foundation Tables, Academic Structure, Academic Plan Table, Plan Offering/Year HESA	Enter or modify values that the system can use for creating Student return's Instance entity data at the plan offering and plan year levels.
Sub-Plan HESA	SSR_HE_SUBPLAN	Set Up SACR, Foundation Tables, Academic Structure, Academic SubPlan Table, Sub-Plan HESA	Enter or modify values that the system can use for creating the following at the subplan level: Student return's Course, Course Subject, and Instance entity data. Aggregate Offshore return's Provision entity data. ITT return's Course Subject entity data (SBJCA field).
Sub-Plan Offering/Year HESA	SSR_HE_SPLN_OFFRYR	Set Up SACR, Foundation Tables, Academic Structure, Academic SubPlan Table, Sub-Plan Offering/Year HESA	Enter or modify values that the system can use for creating Student return's Instance entity data at the subplan offering and subplan year levels.
Create HESA Module Data	SSR_HE_CREATECRSE	Records and Enrollment, HESA Reporting, HESA Returns Setup, Create Module	Create HESA module data records for an academic institution.
HESA Module Data	SSR_HE_CRSE	Curriculum Management, Course Catalog, HESA Module Details	Update a HESA module data record that the Create HESA Module Data created or manually create a HESA Module Data record. Enter or modify values that the system can use for creating Student return's Module, ModuleSubject, and Student on Module entity data at the module level.
HESA Dummy Module Data	SSR_HE_CRSE_DUMMY	Curriculum Management, Course Catalog, HESA Dummy Module Details	Manually create a HESA dummy module data record. Enter HESA field and Module Subject values for the dummy Module record.

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Page Name	Definition Name	Navigation	Usage
Create HESA Instance	SSR_HE_CREATEHESA	Records and Enrollment, HESA Reporting, HESA Returns Setup, Create Instance	Run the process to create HESA instance and Person HESA Data records for new matriculated students. You can specify whether you want to create records for matriculated students of a particular academic institution, program, plan, or subplan. In addition, you can specify a date to have the process generate records of students who matriculated on or after the specified date.
Person HESA Data	SCC_HE_PERSON	Campus Community, Personal Information, Add/Update a Person, Person HESA Data	Update a Person HESA Data record that the Create HESA Instance created or manually create a Person HESA Data record. View, enter or modify values for a person that the system can use for creating Student entity data at the student level (for the Student and ITT returns).
HESA Instance	SSR_HE_INSTANCE	Records and Enrollment, Career and Program Information, HESA Instance Details, HESA Instance Alternatively, access Records and Enrollment, Career and Program Information, Student Program/Plan, Student Program and click the HESA Instance link.	Update a HESA instance record that the Create HESA Instance created or manually create a HESA instance record. Enter or modify values that the system can use for creating Instance, Qualifications Awarded, and RAE entity data at the instance level (for the Student return). Enter or modify values that the system can use for creating Student entity data (for the ITT return) View or edit the Year of Student value that the Calculate Year of Student process has calculated. View or override the FTE value that the Calculate Full-Time Equivalence process has calculated.

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Page Name	Definition Name	Navigation	Usage
Entry Profile	SSR_HE_ENTRPROFL	Records and Enrollment, Career and Program Information, HESA Instance Details, Entry Profile	Enter or modify values that the system can use for creating Student return's Entry Profile and Qualifications entity data.
Further Education	SSR_HE_FUR_EDU	Records and Enrollment, Career and Program Information, HESA Instance Details, Further Education	Enter or modify values that the system can use for creating FE-specific entities and fields.
Calculate Year of Student	SSR_HE_CALC_YRSTU	Records and Enrollment, HESA Reporting, Extract Processing, Calculate Year of Student	Calculate the Year of Student values of all the active HESA instance records for a particular reporting period. The system uses the calculated value to derive the Instance.YEARSTU field.
Calculate Full-Time Equivalence	SSR_HE_CALC_FTE	Records and Enrollment, HESA Reporting, Extract Processing, Calculate FTE	Calculate the FTE value that represents the student's academic load for the reporting period. The system uses the calculated value to derive the Instance.STULOAD field.
Advisor HESA Data	SSR_HE_INST_ADV	Curriculum Management, Instructor/Advisor Information, Instructor/Advisor Table, Advisor HESA Data	For an advisor, enter or modify values that the system can use for creating the Student return's RAE Data entity.
Regional	EXT_ORG_TBL_REG	Campus Community, Organization, Create/Maintain Organizations, Organization Table, Regional	Enter or modify the value that the system can use to derive the Student.DEGEST value (ITT return).
Degree Table	SA_DEGREE_TABLE	Set Up SACR, Foundation Tables, Academic Structure, Degree Table	Enter or modify the value that the system can use to derive the Student.DEGTYPE value (ITT return).

Setting Up Data Capture Rules

Access the Institution Data Capture page (Records and Enrollment, HESA Reporting, HESA Returns Setup, Data Capture Setup).

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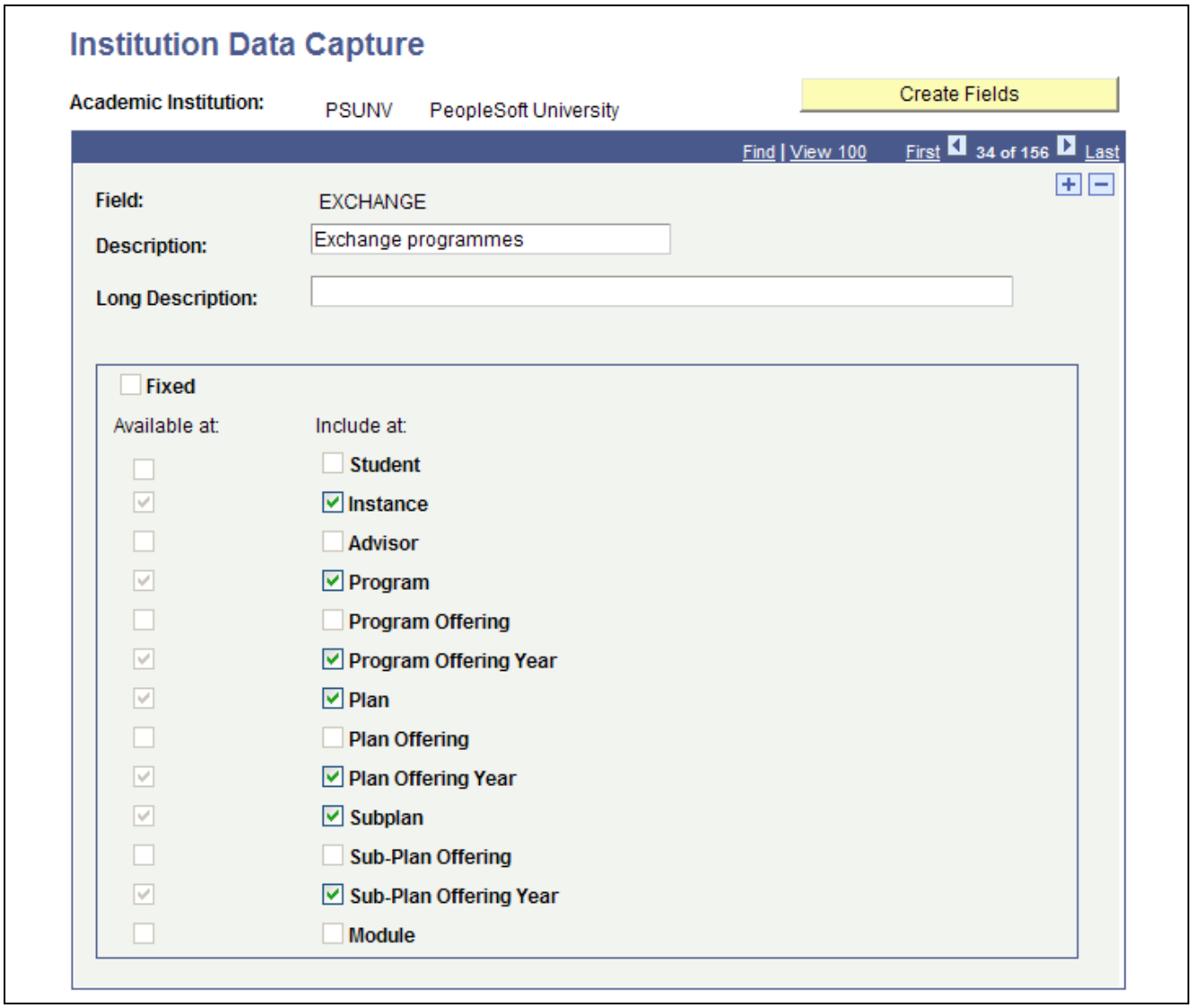

Institution Data Capture page

Bundle 28
New fields for Student return 2012/13 will appear on this page when you click the Create Fields button.

Create Fields

Click to create a data capture record from the delivered data. When you click this button, the system creates all the fields and, for each field, selects the check boxes to indicate at which level the system captures data to derive the field.

After you have created a data capture record, use the Create Fields button to add new fields that you have created using the Fields page. For example, you have clicked the Create Fields button to create a data capture record. After creating the data capture record, you create a new field using the Fields page. To add this new field to the data capture record, click the Create Fields button.

Note. You must click the Create Fields button to add any new fields that have been added as part of a bundle to make them available in data capture.

Fixed

Indicates whether you can configure the data capture levels or if the levels are non-configurable (fixed).

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You cannot select or clear the Fixed check box. If the system has not selected the Fixed check box, you can clear or select the Include At check boxes.

Available At

Indicates the level at which the system can derive the field value. You cannot select or clear the Available At check boxes.

Include At

Select or clear to indicate the level at which you want the system to capture the field value.

As an initial default, the Include At check box appears selected for each level where the field value can be captured. You can clear the Include At check box to ensure that the field value cannot be entered at the corresponding page of that level.

You can select or clear an Include At check box only if the corresponding Available At check box is selected by the system. However, if the system has selected the Fixed check box, you cannot select or clear the Include At check boxes for the field.

Entering HESA Data for an Academic Program

Access the Program HESA Data page (Set Up SACR, Foundation Tables, Academic Structure, Academic Program Table, Program HESA Data).

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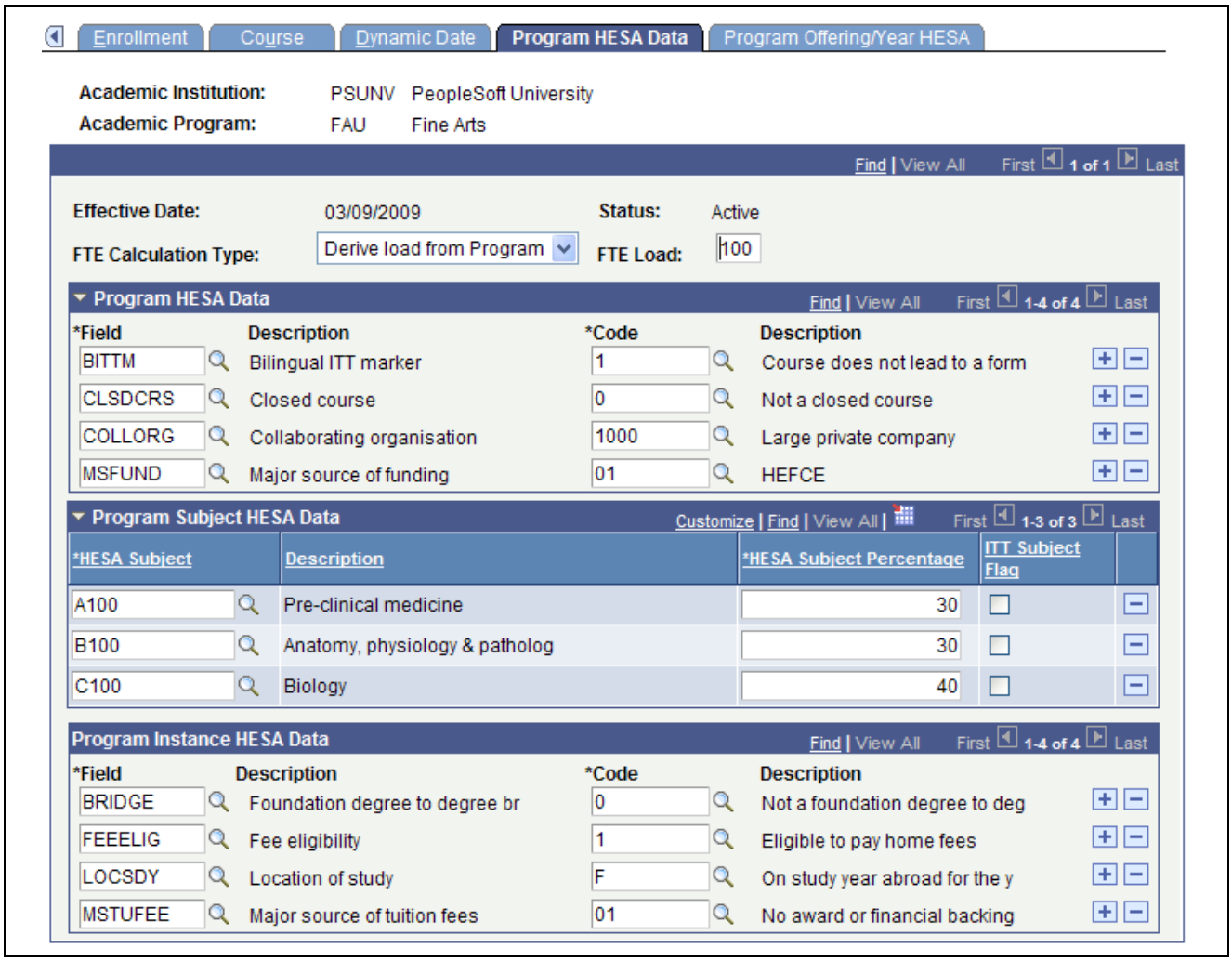

Program HESA Data page

The following table describes the type of data that you can enter in each group box:

Group Box	Used for Entering
Program HESA Data	Course entity fields and their associated values
Program Subject HESA Data	CourseSubject entity field values
Program Instance HESA Data	Instance entity fields and their associated values

Program Subject HESA Data

You can define a maximum of three subjects. The total percentage for the three subjects must equal 100.

HESA Subject Enter a value that the system will use to derive the CourseSubject.SBJCA field.

HESA Subject Percentage Enter a value that the system will use to derive the CourseSubject.SBJPCNT field.

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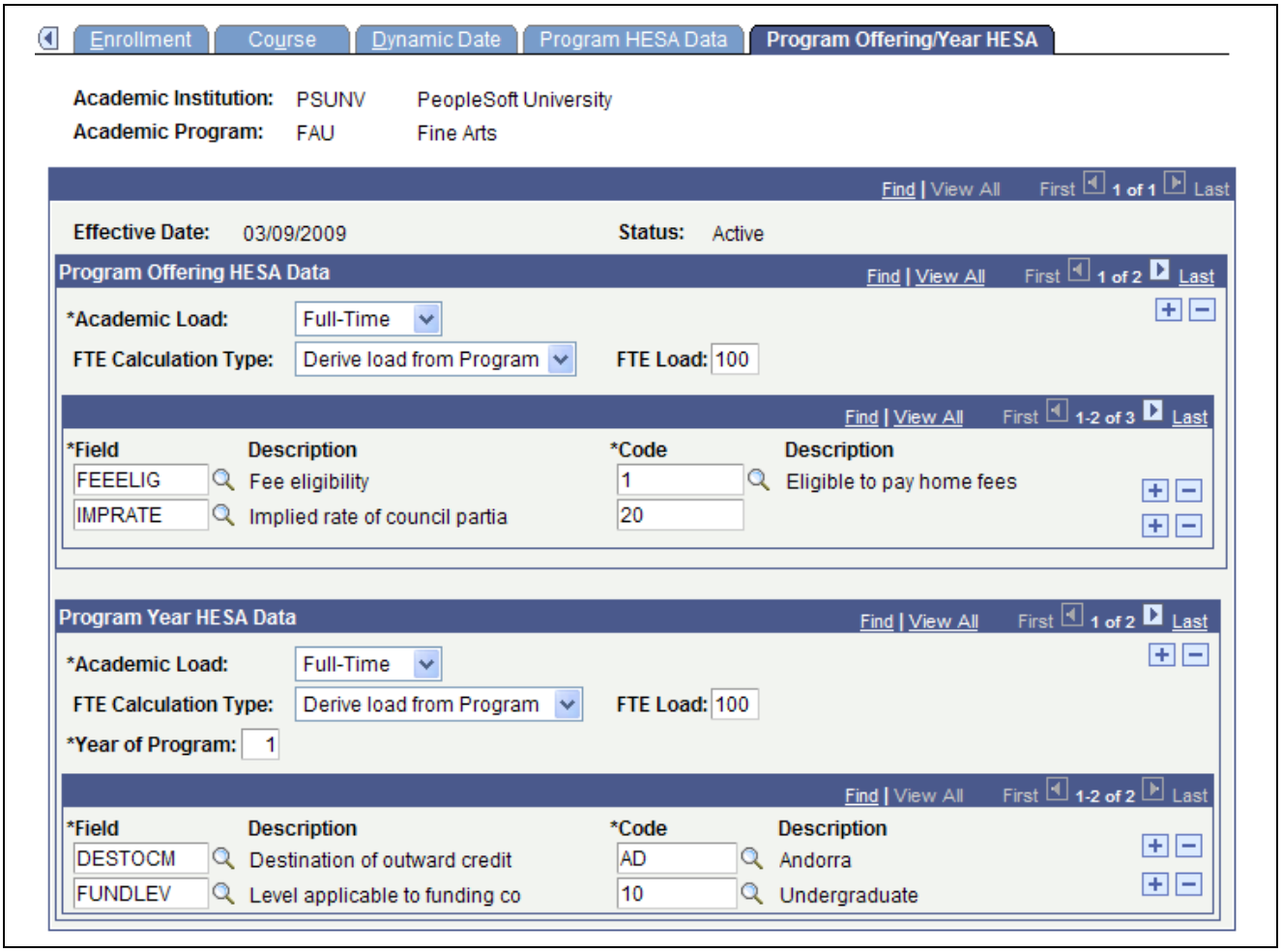
ITT Subject Flag (Initial Teacher Training subject flag)

Select to indicate that the subject is an ITT subject. The system uses this check box setting to derive the CourseSubject.ITTSUBJECT field.

The system enables the check box only if the HESA Subject is valid for the ITT return. The valid SBJCA values for ITT return are available on the HESA web site.

Entering HESA Data for a Program Offering and Program Year

Access the Program Offering/Year HESA page (Set Up SACR, Foundation Tables, Academic Structure, Academic Program Table, Program Offering/Year HESA).



Program Offering/Year HESA page

You can enter Instance entity field values in the Program Offering HESA Data and Program Year HESA Data group boxes.

Entering HESA Data for an Academic Plan

Access the Plan HESA Data page (Set Up SACR, Foundation Tables, Academic Structure, Academic Plan Table, Plan HESA Data).

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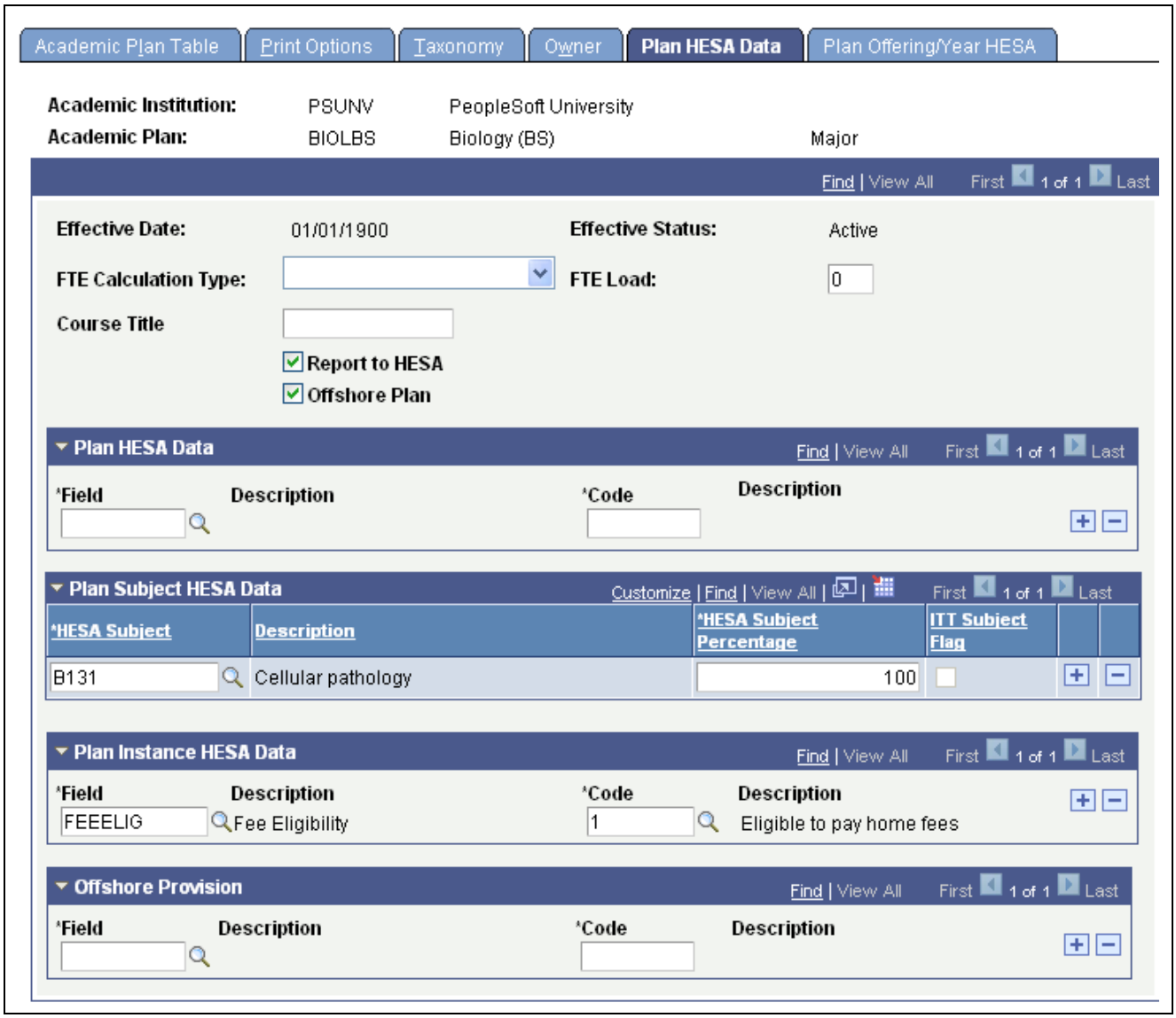

Plan HESA Data page

Use the Offshore Provision group box to enter field values for the Provision entity (Aggregate Offshore return).

Group boxes for the Student return on this page are similar to the group boxes on the Program HESA Data page.

You can use this page to enter Student return fields and corresponding values which you have not defined at the program level. For example, you can use the Plan Subject HESA Data group box to define course subjects at the Biology plan level instead of at the BS program level.

Course Title Optionally, enter a value that the system uses to derive the Course.CTITLE field. If you do not enter a value, the system derives the Course.CTITLE value from the plan description.

Report to HESA Select to include the plan in the Course or Provision entity. If you select this check box for a plan, you cannot report data for its subplans.

Offshore Plan Select to display the Offshore Provision group box. If you select this check box, the system includes the plan in the Aggregate Offshore return but does not include the plan in the Student return.

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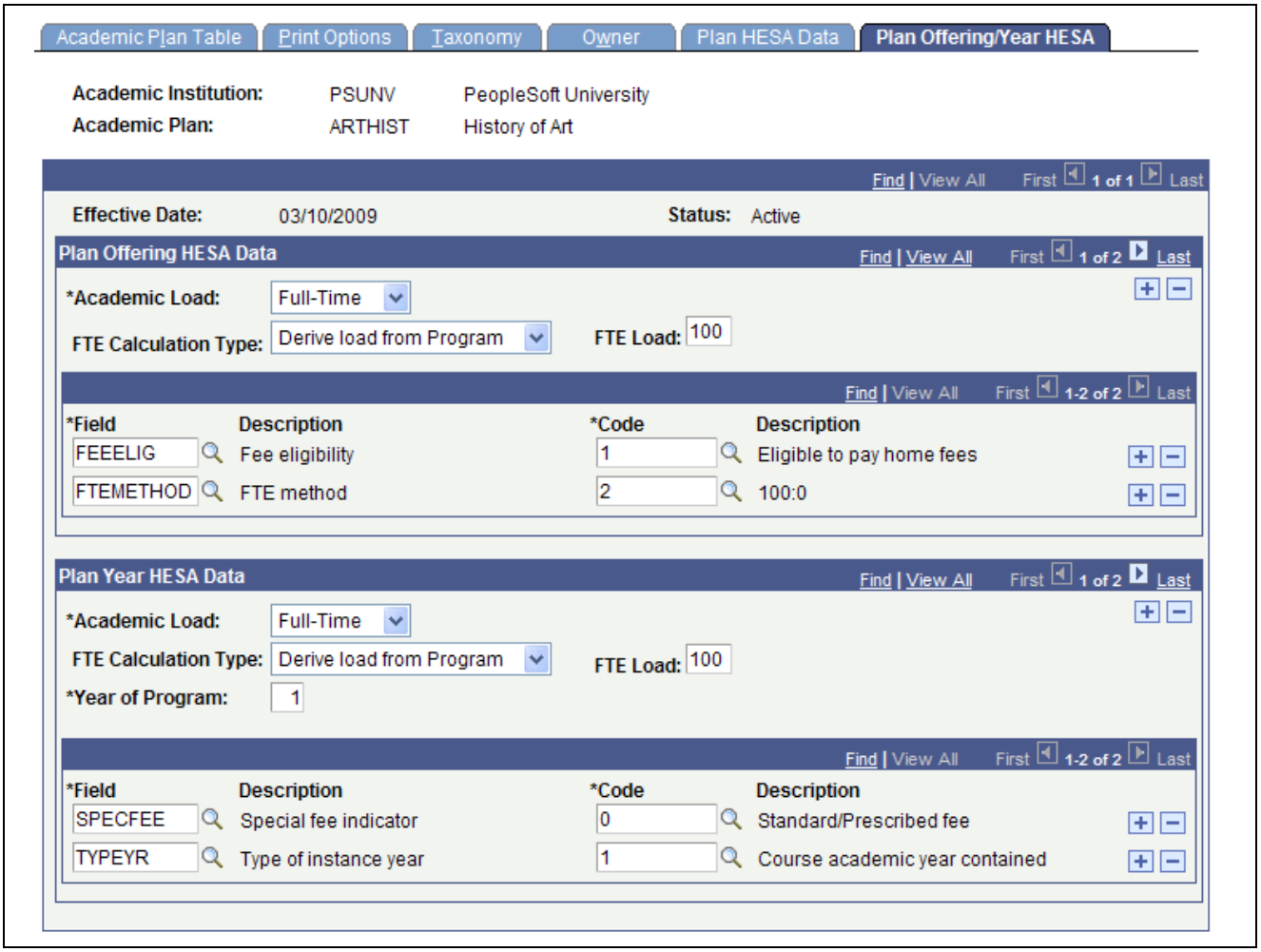
The system enables the ITT Subject Flag check box only if the HESA Subject is valid for the ITT return. The valid SBJCA values for ITT return are available on the HESA web site.

Entering HESA Data for a Plan Offering and Plan Year

Access the Plan Offering/Year HESA page (Set Up SACR, Foundation Tables, Academic Structure, Academic Plan Table, Plan Offering/Year HESA).



Plan Offering/Year HESA page

Group boxes on this page are similar to the group boxes on the Program Offering/Year HESA page.

Use the Plan Offering/Year HESA page to enter fields and corresponding values that you did not define at the subplan offering/year or program offering/year levels.

Entering HESA Data for a Subplan

Access the Sub-Plan HESA page (Set Up SACR, Foundation Tables, Academic Structure, Academic SubPlan Table, Sub-Plan HESA).

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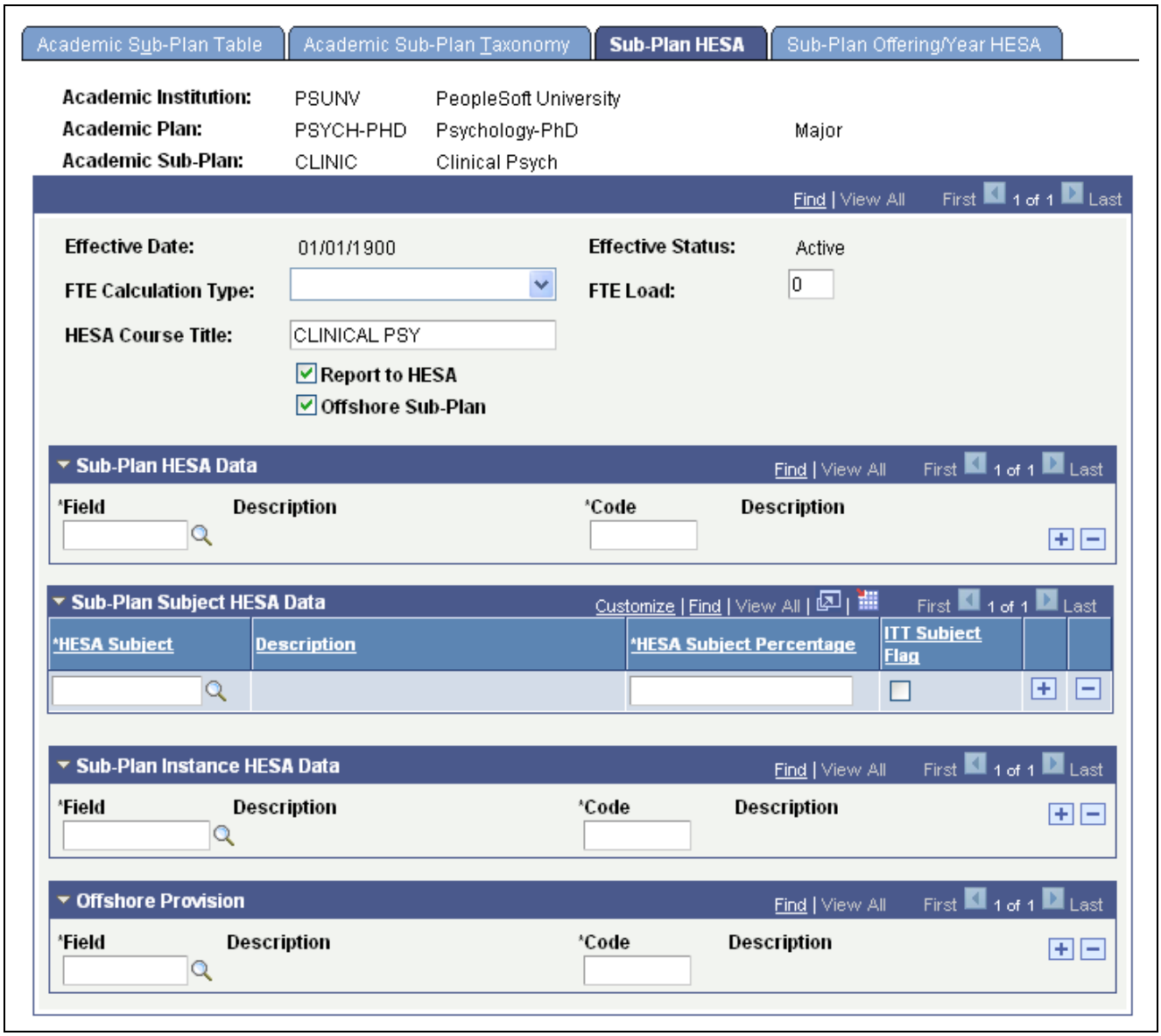

Sub-Plan HESA page

The fields on this page are similar to the fields on the Plan HESA Data page.

The system disables the Report to HESA check box on the Sub-Plan HESA page if you selected the Report to HESA check box for the parent plan on the Plan HESA Data page.

If you want to report values from the subplan level, use the Sub-Plan HESA page to enter the fields and their corresponding values. For example, you can use the Sub-Plan HESA Data group box to define the Course.COURSEAIM value at the Molecular Biology subplan level rather than defining the Course.COURSEAIM value at the Biology plan level or the BS program level.

Select the Offshore Sub-Plan check box to display the Offshore Provision group box. If you select this check box, the system includes the subplan in the Aggregate Offshore return but does not include the subplan in the Student return.

The system enables the ITT Subject Flag check box only if the HESA Subject is valid for the ITT return. The valid SBJCA values for ITT return are available on the HESA web site.

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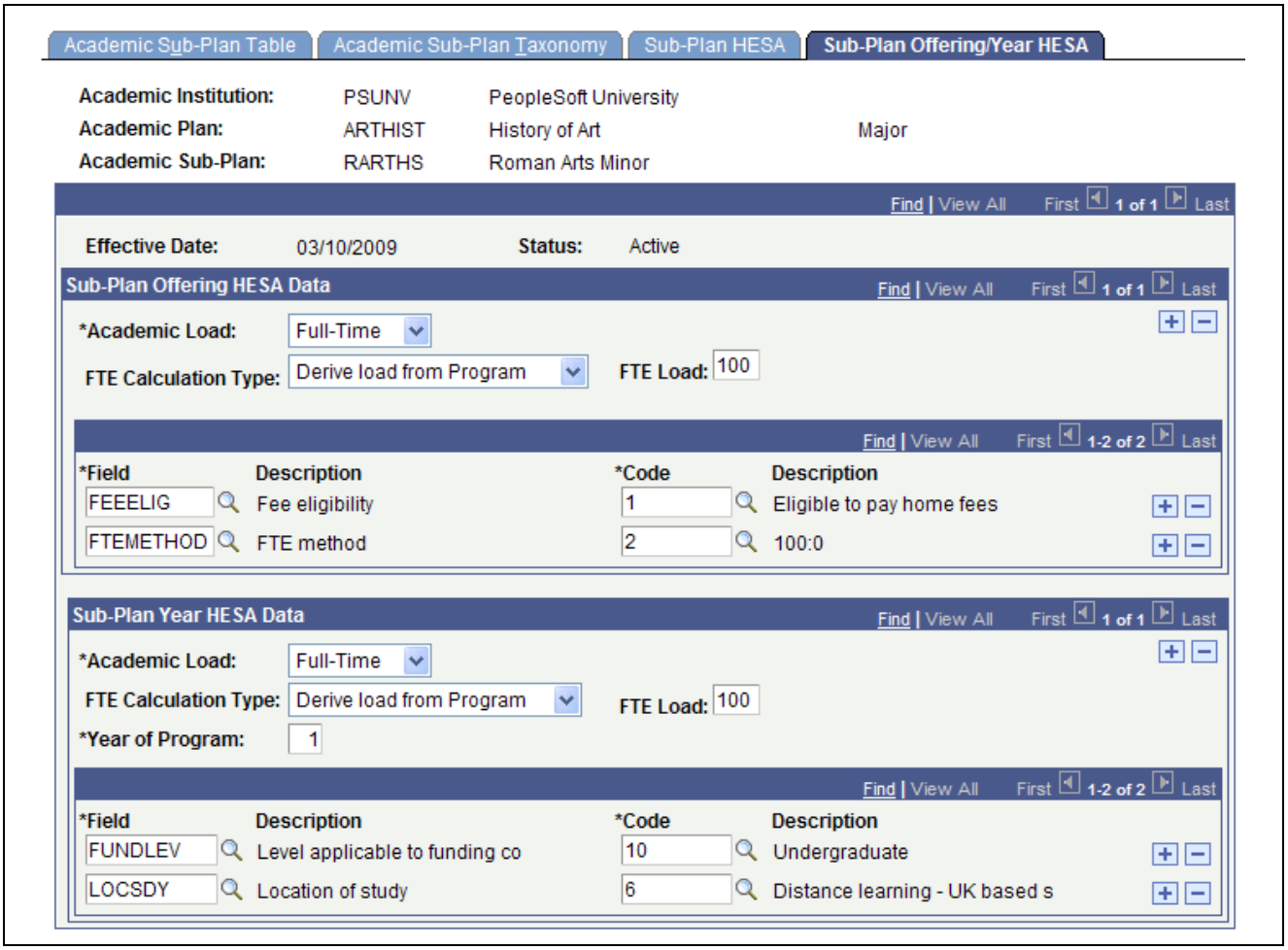
Entering HESA Data for a Subplan Offering and Subplan Year

Access the Sub-Plan Offering/Year HESA page (Set Up SACR, Foundation Tables, Academic Structure, Academic SubPlan Table, Sub-Plan Offering/Year HESA).



Sub-Plan Offering/Year HESA page

Group boxes on this page are similar to the group boxes on the Plan Offering/Year HESA page and Program Offering/Year HESA page.

Use the Sub-Plan Offering/Year HESA page to enter fields and corresponding values that you did not define at the plan offering/year or program offering/year levels.

Creating HESA Modules

Access the Create HESA Module Data page (Records and Enrollment, HESA Reporting, HESA Returns Setup, Create Module).

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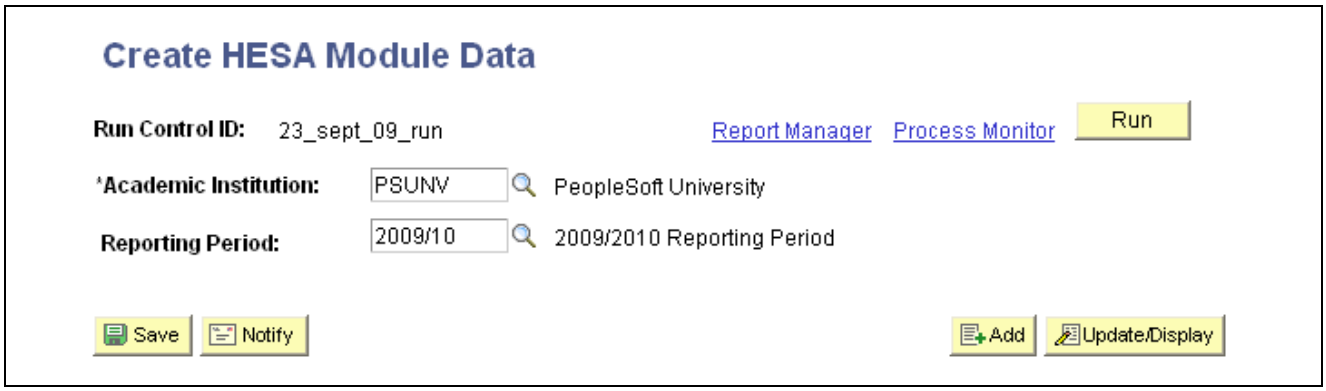

Create HESA Module Data page

The Create HESA Module Data process creates HESA Module Data records for active course offerings. The HESA Module Data record is created with an effective date equal to the latest effective date of the course offering record and the Report to HESA column set to *Yes*.

The process ignores course offerings that already have a corresponding HESA Module Data record.

Note. The Create HESA Module Data process does not allow you to create dummy module data records. Use the HESA Dummy Module Data page to manually create a dummy module data record.

Processing Steps

The Create HESA Module Data process examines each distinct course offering record of the institution.

If you do not select a Reporting Period parameter, the process creates HESA Module Data records as described in the following steps:

1. The process selects the current effective dated record of the course offering (that is, the process selects the most recent effective dated record on or before system date). This is to check whether the course offering is active at the time the process is run. For example, let us suppose two effective dated records exist for a course offering CALCULUS 1. One is dated August 01, 2008 and the other is dated August 01, 2009. If you run the Create HESA Module Data process on August 03, 2009, the process selects the CALCULUS 1 course offering record dated August 01, 2009.
2. If the selected course offering record status is inactive, the process does not create HESA Module Data records.
3. If the selected course offering record is active:
   a. The process selects the earliest active effective dated record for the course offering. For example, in step 1 the process had selected a course offering record dated 02, August, 2009. If we assume that the course offering CALCULUS 1 has also got effective dated records dated 01 July, 2008 and 01, July 2009, the process selects the record dated 01 July, 2008.
   b. If a HESA Module Data record does not exist for the selected record, the process creates a new record using the selected record. The process sets the Report to HESA value to *Y*.
   c. If a HESA Module Data record exists, the process stops processing that course offering record.

If you select a Reporting Period parameter, the process creates new HESA Module Data records and new effective dated rows for the reporting period as described in the following steps:

1. The process selects the earliest effective dated record relevant to the reporting period for the course offering (that is, the process selects the earliest effective dated record between the reporting period start and end dates). For example, let us suppose that the reporting period is 2008-09 and for a course offering

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General Accounting, two effective dated records exist. One is August 01, 2008 and the other is November 01, 2008. In this case, the process selects the course offering record dated August 01, 2008.

If an effective dated course offering record does not exist in the reporting period, then the process does not process the record.

2. If the selected course offering record is active and:
   a. If an existing HESA Module Data record does not exist, the process creates a new record using the effective date of the selected course offering record. The process sets the Report To HESA value to *Y*.
   b. If a HESA Module Data record exists with an effective date in the reporting period, the process stops processing that record.
   c. If a HESA Module Data record with an effective date after the reporting period exists, the process updates the effective date of that record and any child field records using the effective date of the selected course offering record.
   d. If a HESA Module Data record with an effective date before the reporting period exists, the process creates a new effective dated row using the HESA Module Data record and the effective date of the selected course offering record. The process also copies any existing child Module field records of the HESA Module Data record to the new effective dated HESA Module Data record.
3. If the selected course offering record is inactive, the process stops processing. Note that the process derives the active and inactive status value from the parent Course Catalog record of the course offering.

Entering HESA Data for a Module

Access the HESA Module Data page (Curriculum Management, Course Catalog, HESA Module Details).

Bundle 28

The Cost Centre field will now accept the new 3-digit HESA Cost Centre codes instead of 2 digits. The same change has been made on the HESA Dummy Module Data page.

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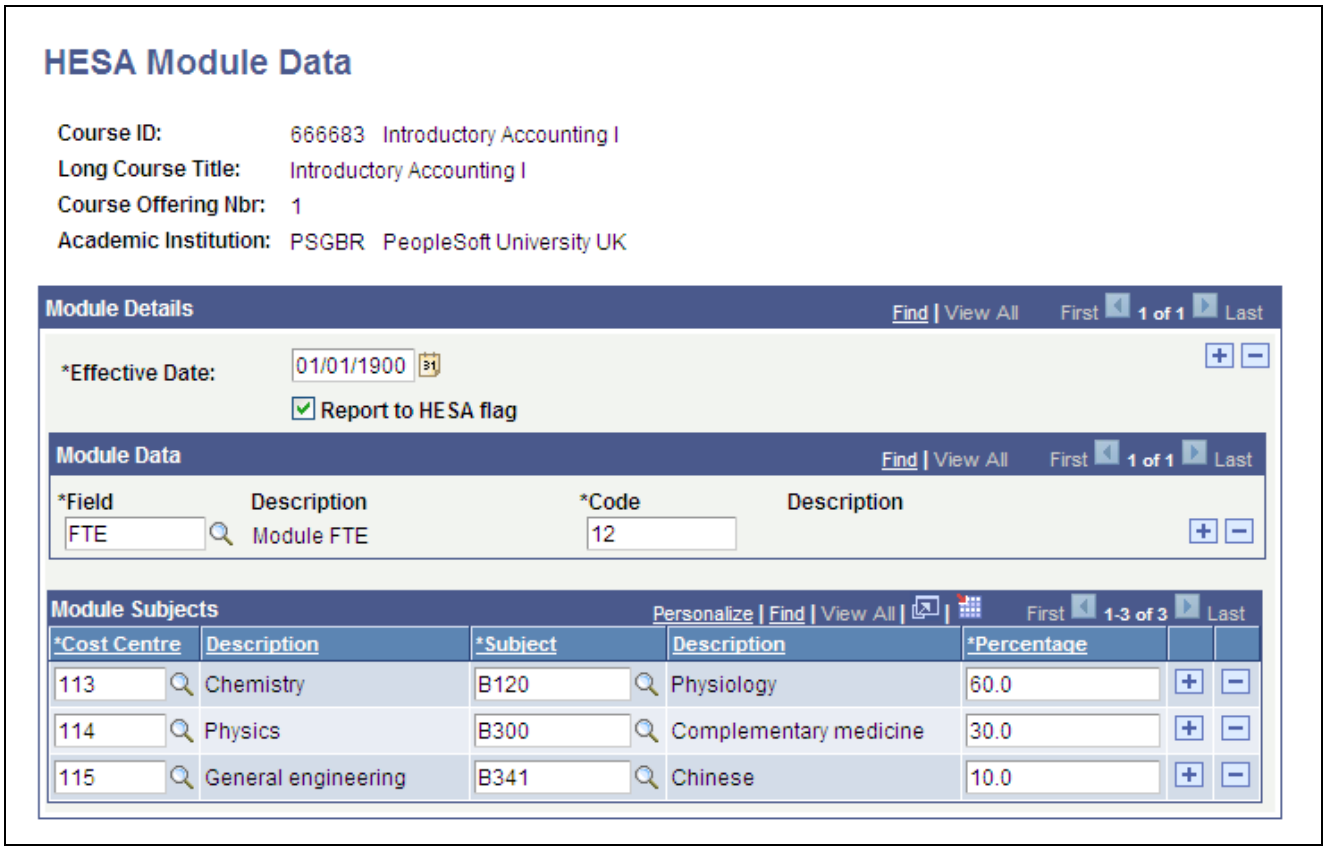

HESA Module Data page

In the HESA Module Data page:

- Use the Module Data group box to enter Module and Student on Module entity fields and their associated values.
- Use the Module Subjects group box to enter values that the system uses for deriving Module Subject entity fields. You can enter a maximum of 16 subjects. The Subject/Cost Centre Percentage for all module subject records must equal 100.

You can manually add a HESA Module Data record for a course offering using the HESA Module Data page in add mode. However, if you want to create multiple HESA module data records for course offerings, use the Create HESA Module Data process.

Entering HESA Data for a Dummy Module

Access the HESA Dummy Module Data page (Curriculum Management, Course Catalog, HESA Dummy Module Details).

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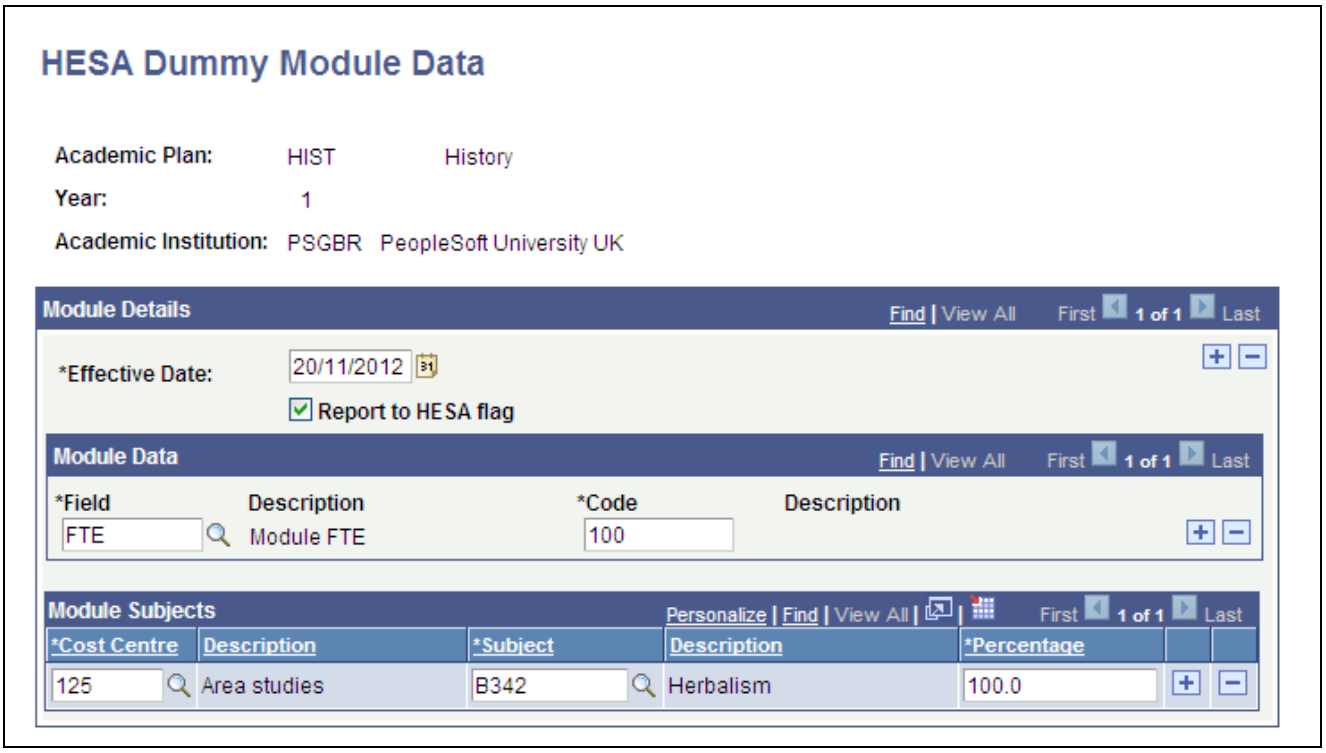

HESA Dummy Module Data page

You can manually add a HESA dummy module data record using the HESA Dummy Module Data page in add mode. The system uses the HESA dummy module data record to create a dummy module in the Student On Module entity. This dummy module represents the year of program for active Research and Placement students who do not have any class enrollments

Creating HESA Instance and Person HESA Data Records for Students

Access the Create HESA Instance page (Records and Enrollment, HESA Reporting, HESA Returns Setup, Create Instance).

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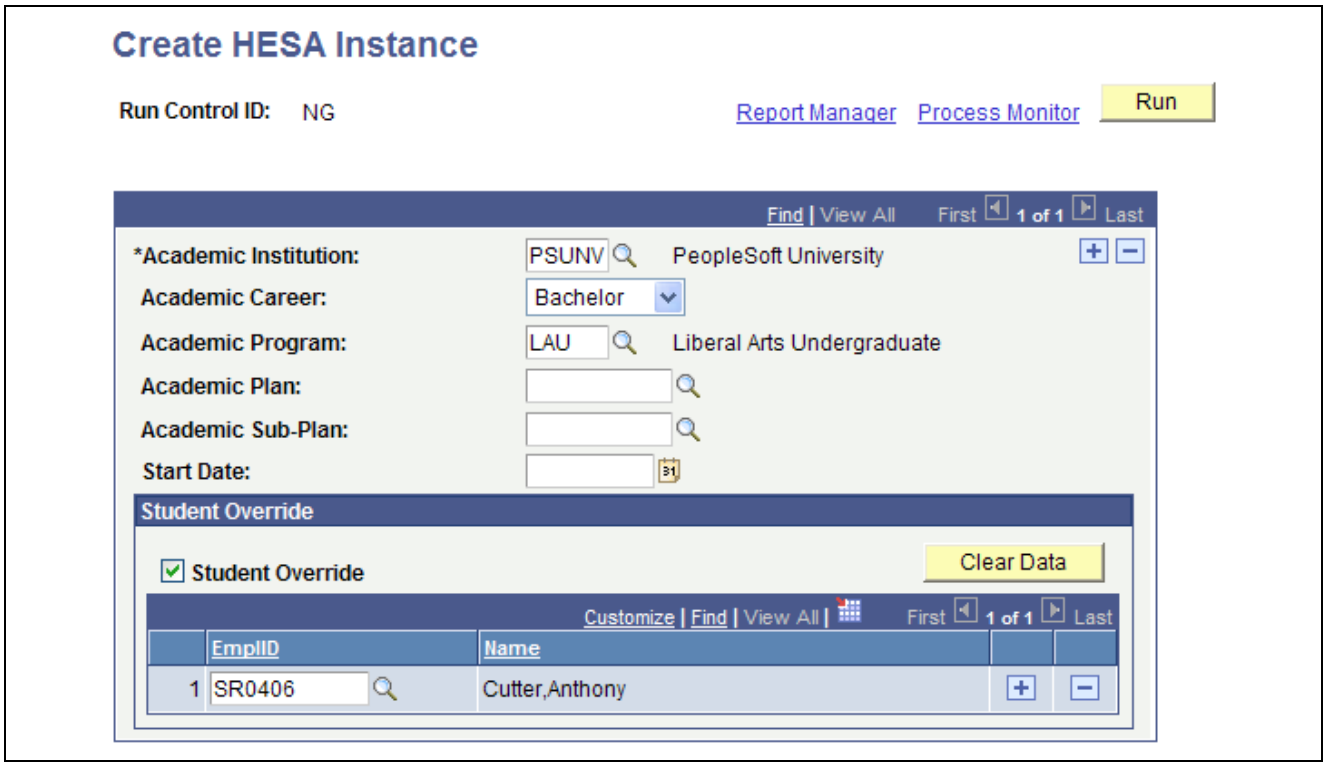

Create HESA Instance page

The Create HESA Instance process examines student program/plan records and determines whether there is a related HESA Instance record for a student. If a student does not have an Instance record, the process creates a new HESA Instance record using the Effective Date of the MATR or ACTV row in the Student Program/Plan stack record and sets the Report to HESA internal setting to *Yes* for the student. The process first selects the MATR row and creates a HESA record with that effective date. If a MATR row does not exist, the process selects the row with program action ACTV and creates a HESA record with that effective date.

The process automatically populates the Instance Identifier field value to the HESA Instance record. The NUMHUS derivation logic considers the Instance Identifier value. The process also creates the Person HESA Data record if it does not already exist for the student.

The process generates the Instance Identifier based on the Academic Career, Student Career Number, and Entry Year of the student. The system determines the Entry Year based on the reporting period and the effective date that is used to create the HESA Instance record. The system selects the Reporting Year value of the HESA reporting period that the effective date falls within and uses the year value for Entry Year. For example, an effective date of September 20, 2008 falls within the 2008/09 reporting period, which has a reporting year value of 2008, so Entry Year would be 2008. If the student's career details are Career = UGRD, Career Number = 0, and effective date = September 20, 2008, then the process creates an Instance Identifier of UGRD02008.

Academic Career, Academic Program, Academic Plan, Academic Sub-Plan

Select values as needed to generate the HESA Instance records for students with the selected career, program, plan, or subplan.

Start Date

Enter a date so that only students who matriculated on and after this date are included by the process.

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Student Override

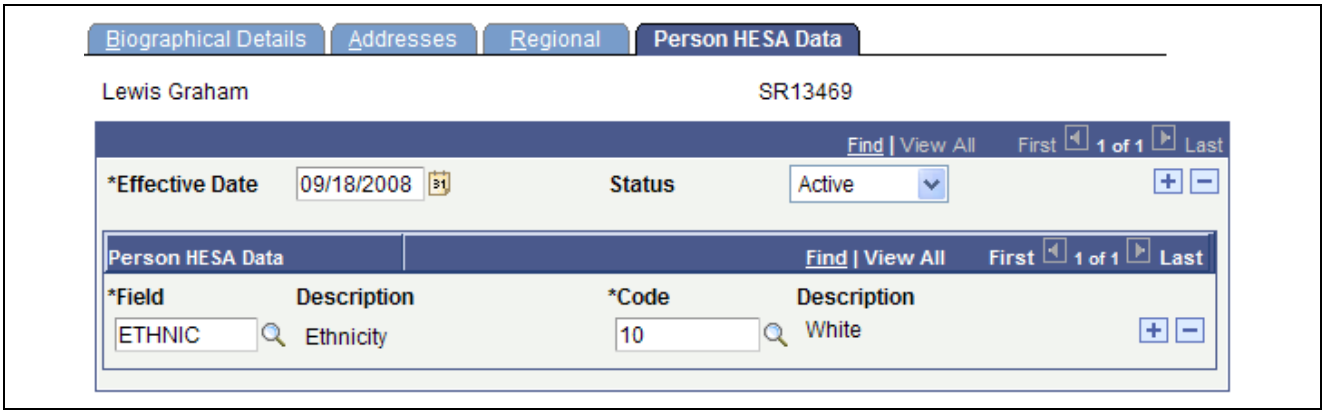
Student Override Select if you want to generate HESA Instance records for the IDs selected in the EmplID field.

If you select the Student Override check box, the process ignores any values entered in the Academic Career, Academic Program, Academic Plan , Academic Sub-Plan, and Start Date fields.

EmplID (employee ID) Enter the IDs of one or more students for whom the process must create the Instance data.

Entering HESA Data for a Person

Access the Person HESA Data page (Campus Community, Personal Information, Add/Update a Person, Person HESA Data).



Person HESA Data page

Use the Person HESA Data page to enter fields and their corresponding values at the student level.

You can manually add a Person HESA Data record using the Person HESA Data page in add mode. However, if you want to create multiple Person HESA Data records with instance records, use the Create HESA Instance process.

Entering HESA Instance Data for a Student

Access the HESA Instance page (Records and Enrollment, Career and Program Information, HESA Instance Details, HESA Instance).

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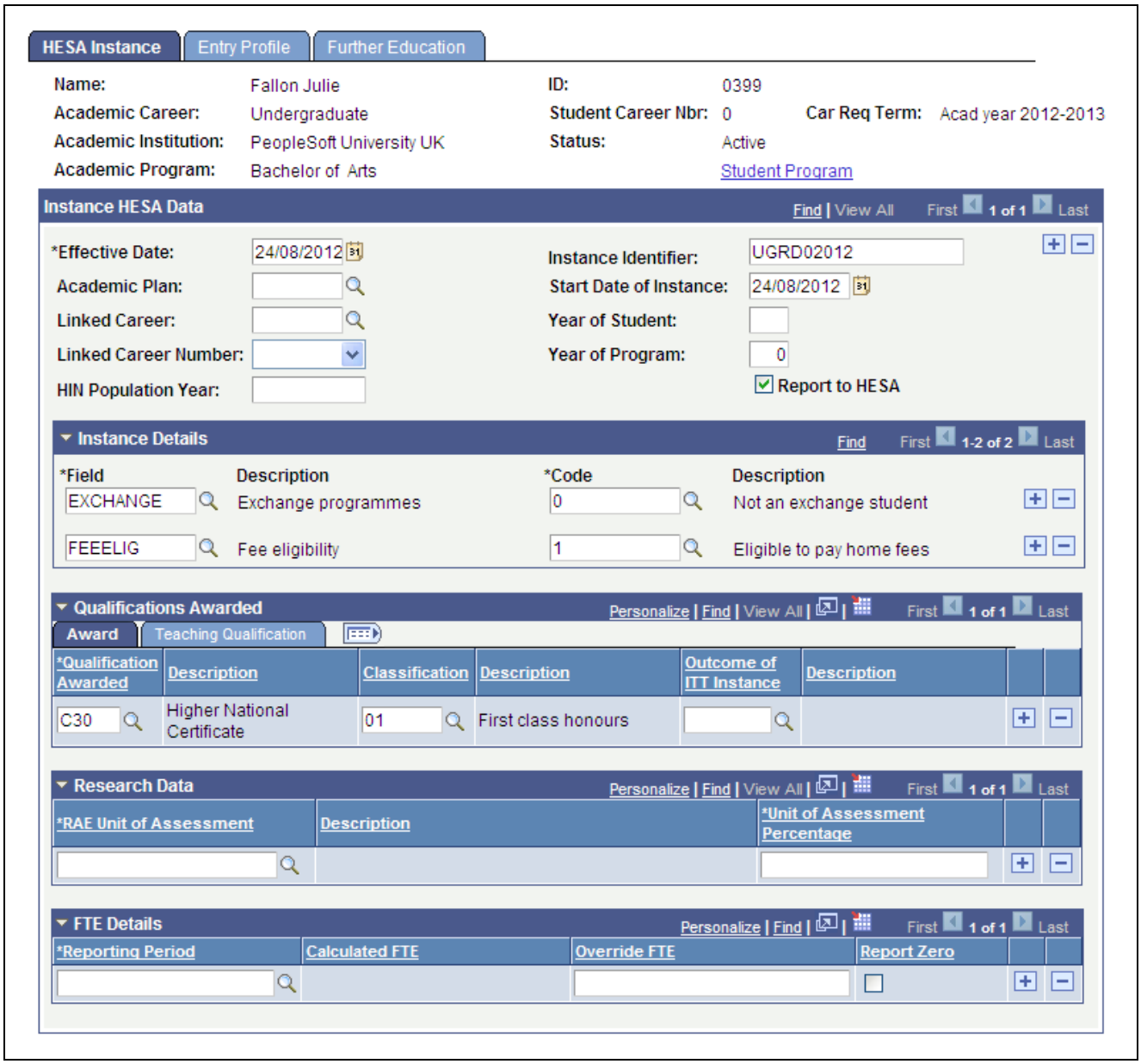

HESA Instance page

This page is available for a student if you have created a HESA Instance record for the student. Use the Create HESA Instance page to create HESA Instance records for a group of students. You can also manually create a HESA Instance record for a student using the HESA Instance page in add mode.

Instance Identifier Displays the value generated by the Create HESA Instance process when it creates a HESA Instance record. You can manually enter or modify this value. The system uses this value to derive the Instance.NUMHUS field (Student return) and Student.NUMHUS field (ITT return).

Academic Plan Select the primary plan to be used for HESA reporting if the student has more than one active plan.

Start Date of Instance Displays the date generated by the Create HESA Instance process. You can manually enter or modify this value.

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	The system uses this value to derive the Instance.COMDATE (Student return) and Student.COMDATE (ITT return).
Year of Student	Displays the value generated by the Calculate Year of Student process. You can manually enter or modify this value. The system uses this value to derive the Instance.YEARSTU field (Student return) and Student.YEARSTU field (ITT return).
Year Of Program	Enter a value that the system uses to derive the Instance.YEARPRG field (Student return) and Student.YEARPRG field (ITT return).
Linked Career and Linked Career Number	Select a career to link this Instance to previous careers. The system treats all the linked careers for a student as a single Instance for HESA reporting.
HIN Population Year	Displays the value entered by the Import HIN Target List process. You can edit the value, if required. The Create Extract process uses the HIN Population Year value to determine which Instance entities to include in the return. If the HIN Population Year matches the reporting year of the reporting period, then the process automatically includes the Instance entity of the student regardless of other criteria (such as whether the Report To HESA is selected). Examples of valid HIN Population Year values include *2008* (for 2008/09 reporting) and *2009* (for 2009/10 reporting).
Report To HESA	Select to report the Instance to HESA. If the check box is cleared, the Create Extract process does not create a return extract for the instance.

FTE Details

Calculated FTE	Displays the value calculated by the Calculate Full-Time Equivalence process.
Override FTE	Enter a value to override the Calculated FTE.
Report Zero	Select to report zero in STULOAD rather than the Calculated FTE or Override FTE values

Entering HESA Entry Profile Data for a Student

Access the Entry Profile page (Records and Enrollment, Career and Program Information, HESA Instance Details, Entry Profile).

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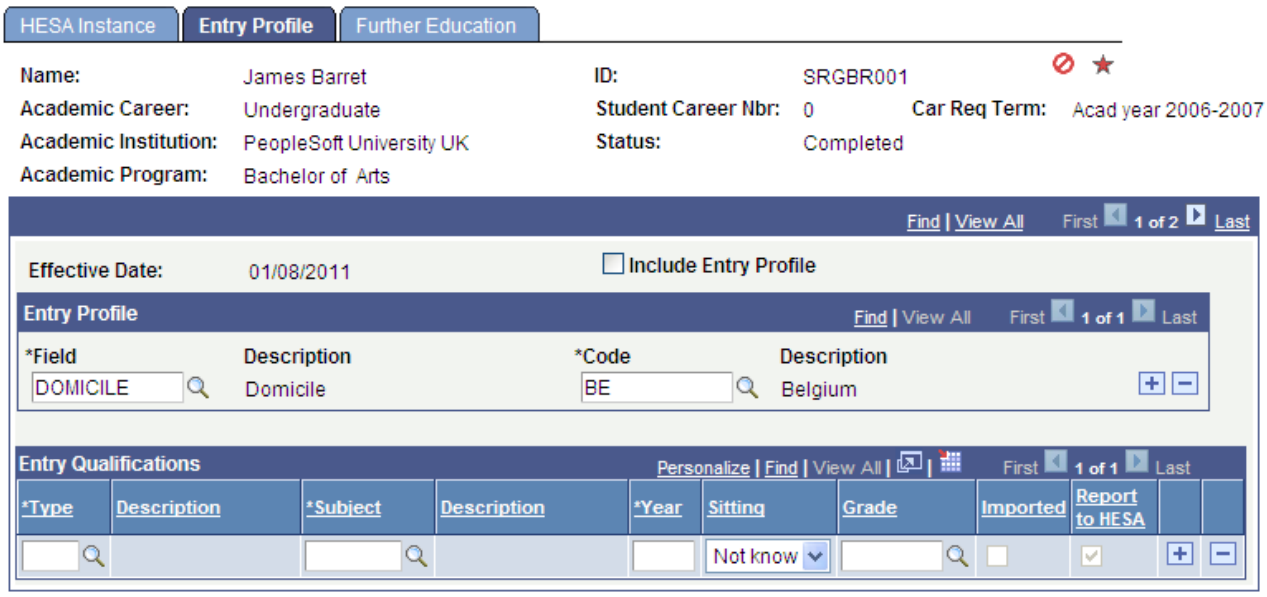

Entry Profile page

Include Entry Profile

Select if want an entry profile to be created when the Start Date of Instance is before the start of the reporting period.

If the Start Date of Instance is in the reporting period, you need not select this check box. The Extract process automatically creates an entry profile when the Start Date of Instance is equal to or after the start date of the reporting period, regardless of whether you select or clear this check box.

Note. The Create HESA Instance process clears the Include Entry Profile check box, when it creates a new HESA instance record.

Imported

Indicates whether the data was imported from UCAS.

Report To HESA

Select to include the record in the Qualifications On Entry entity.

Note. If grades are not mapped to a particular qualification type on the Entry Qualification Mapping page, then all the grades are available for a qualification type. If you have done a Entry Qualification mapping, the lookup for the Grade field displays only the mapped grades for a type.

Entering Further Education Data for a Student

Access the Further Education page (Records and Enrollment, Career and Program Information, HESA Instance Details, Further Education).

Bundle 28

• To ensure valid values are entered, validation changes have been made for these fields: DISTLEARNSLN, FWORKCODE, PROPFUNDREMAIN and PWAYCODE. For example, FWORKCODE has now a field type of Number and maximum value allowed is 999.

• To ensure valid values are entered, validation changes have been made to the Employment Monitoring region and the Funding and Monitoring region. For example, earlier the system allowed you to enter a maximum of 6 rows for employment monitoring. With this bundle, that restriction has been removed.

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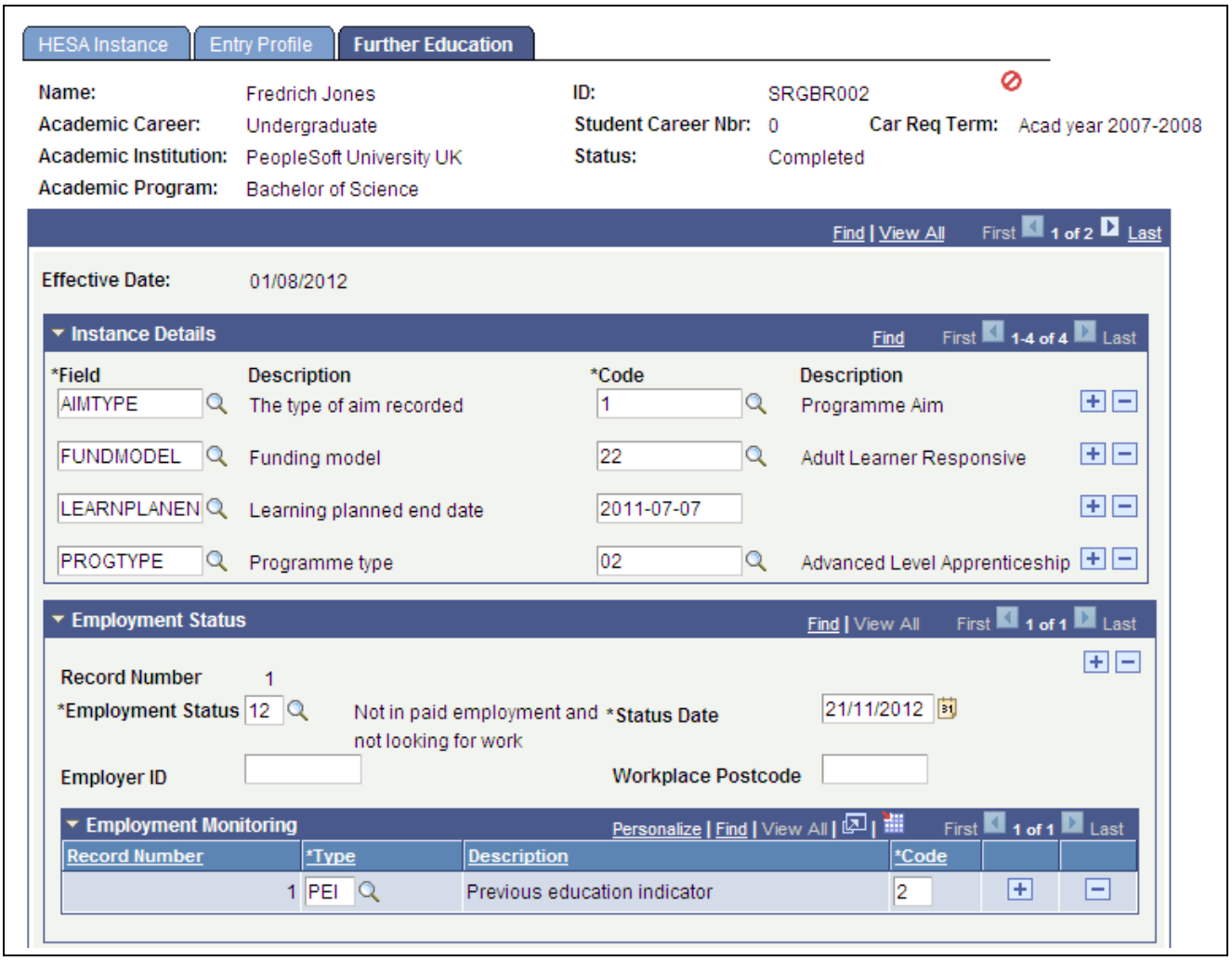
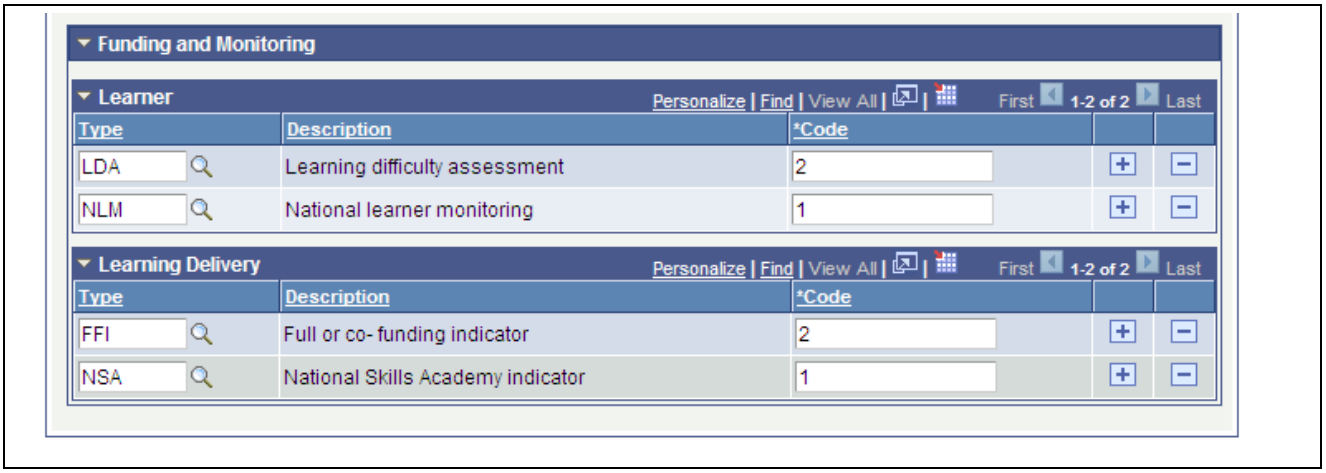


Further Education page (1 of 2)



Further Education page (2 of 2)

The system displays this page only if you have selected the Enable Further Education page check box on the HESA Configuration page.

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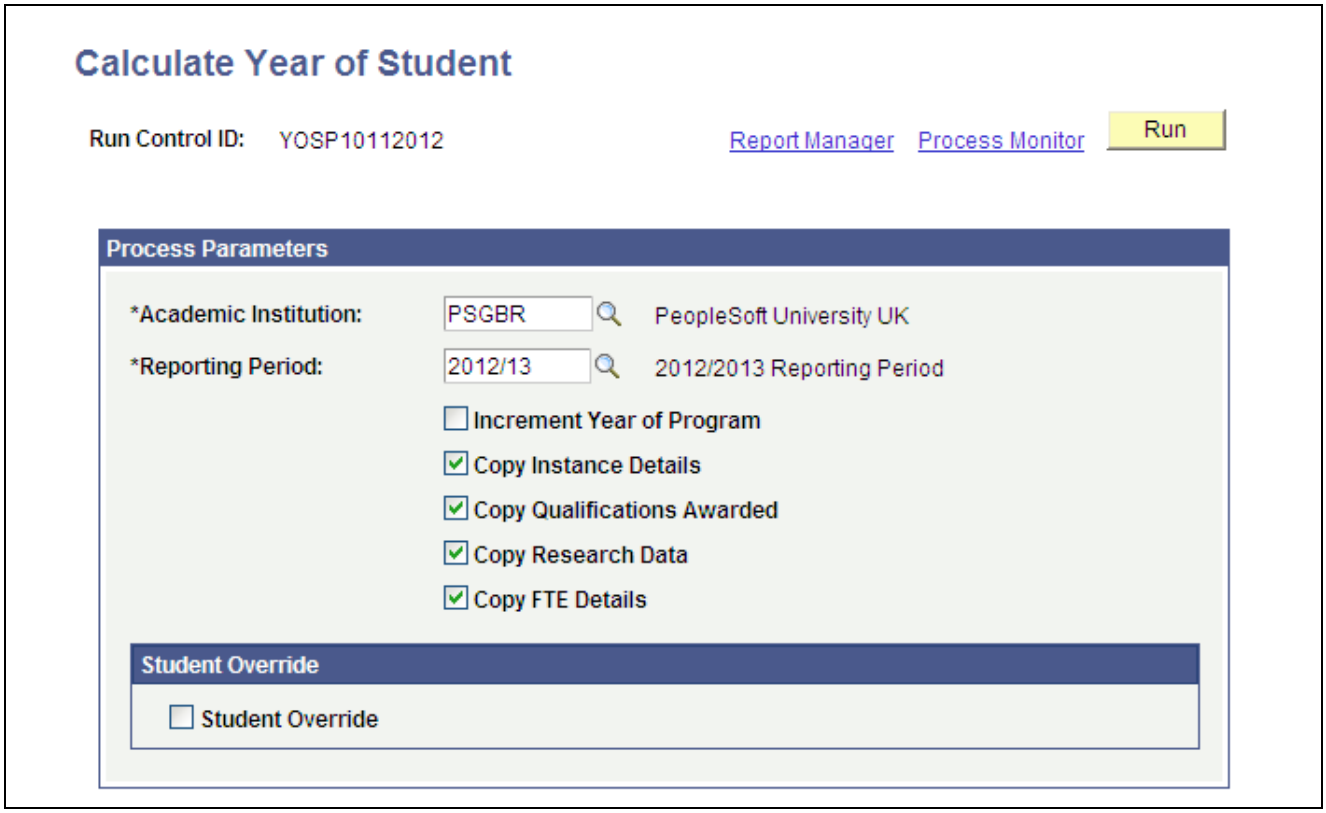
Calculating Year of Student Values for Students

Access the Calculate Year of Student page (Records and Enrollment, HESA Reporting, Extract Processing, Calculate Year of Student).

Bundle 28

The following new check boxes have been added:

- **Copy Instance Details**
- **Copy Qualifications Awarded**
- **Copy Research Data**
- **Copy FTE Details**



Calculate Year of Student page

Increment Year of Program	Select to increment the Year of Program value by one when the Calculate Year of Student process creates a new effective dated HESA Instance record for the reporting period.
Student Override	Select to specify single or multiple students for whom the process should calculate YEARSTU.
Copy Instance Details	Select to have the process copy instance records from the previous effective-dated HESA Instance record.
Copy Qualifications Awarded	Select to have the process copy qualifications awarded records from the previous effective-dated HESA Instance record.
Copy Research Data	Select to have the process copy research records from the previous effective-dated HESA Instance record.

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Copy FTE Details Select to have the process copy FTE records from the previous effective-dated HESA Instance record.

The process calculates the value that the system uses to derive the Instance.YEARSTU (Year of student on this instance) field in the Student Return. The Instance.YEARSTU value is the number of reporting periods that the student has been active in the instance (including linked previous instances).

The process examines student class enrollments and calculates the number of distinct reporting periods covered by the enrollments. The process creates new effective dated HESA Instance records for the specified reporting period. For example, if a student has a HESA Instance record with an effective date of August 1, 2007 and the process runs for the 2008/09 reporting period, then the system creates a row with a new calculated YEARSTU value and an effective date of August 1, 2008. This enables you to roll forward the HESA Instance records to a new reporting period. If the student already has an effective dated record in the reporting period, then the process updates the YEARSTU value of that record.

Note. The HESA Instance page displays the value that the Calculate Year of Student process has calculated.

Calculation Steps

The following steps describe how the Calculate Year of Student process selects records and calculates YEARSTU from the selected records:

Step 1: Initial Selection of Records

The process selects HESA Instance records that match the run parameters. For each distinct student career in the HESA Instance records, it selects the latest record with an effective date on or before the reporting period end date only if the Report to HESA setting = Y. If the selected record has Report to HESA setting = N, then the process does not include the record in the calculation even if there are previous effective dated records with the Report To HESA setting = Y. This means, the process selects HESA Instance records that either (a) started prior to the reporting period and there is no effective dated row starting in the reporting period, or (b) started in the reporting period. Depending on the calculated YEARSTU value, it treats the records differently for update in the following steps.

If the latest student program record has a status of COMP and the effective date of that record is before the beginning of the reporting period, then the process assumes that the career has been completed before the reporting period (and has not been reactivated since completion) and the calculation of the YEARSTU for the selected HESA Instance record is skipped.

The process logs a message for each record that is selected.

Step 2: Filter for Active Students

The Calculate Year of Student process calculates and stores a YEARSTU value only if the student has been active in the current reporting period.

To determine the student has been active in the current reporting period, the process performs the following steps:

- The process selects all activated terms for the student career.
- The process determines that the student is active in the current reporting period if there is at least one class for any of the selected terms that satisfies the following conditions:
  - Class Start Date is within the reporting period, or Class End Date is within the reporting period, or Class Start Date is prior to the reporting period and Class End Date is after the reporting period.
  - Status = *Enrolled* or *Dropped.*
  - Units Taken value is greater than zero.

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- Grading basis value matches one of the values defined in the Grading Basis Inclusion region with the Year of Student check box selected on the HESA Configuration page.
- Repeat Code value is null or does not match a value defined in the Repeat Code Exclusion region with the Year of Student check box selected on the HESA Configuration page.
- If the student has multiple careers with the same Academic Career value as the career being processed (that is, the same career value with different career numbers), then the process applies a further filter to the class enrollments. In that case, the process selects the class only if the program value of the enrollment record matches one of the program values in the Student Program records for that career and career number.

When the process considers class start and end dates for class enrollments where the Session = *OEE* (open entry/exit), rather than selecting the class start/end dates, the process selects the values from the Student OEE Enrollment Data record for the class enrollment. If the end date is not defined in Student OEE Enrollment Data then the process uses the class end date. The start date is mandatory for a Student OEE Enrollment Data record. Note that the process uses this same OEE logic when it examines class enrollments in the next step (the next step is Step 3, Calculate YEARSTU).

The process does not consider previous linked careers because it assumes that linked careers will only have been active prior to the current reporting period.

In cases where the student has multiple careers, the process does not consider class enrollments that occur before the effective date of the HESA Instance record unless the Instance is linked to a previous career. The selection of activated terms considers only those terms that overlap the Instance, that is where the term begin date is greater than the earliest effective date of the HESA Instance record. The only exception to this rule is where a Linked Career and Career Number are defined for the HESA Instance record in which case the process also considers terms related to that other career.

For each Instance where the student has not been active for the reporting period, the process logs a message and the process skips to the next selected record.

For each active Instance, the process logs a message and calculates the total YEARSTU.

Note that this method of selection does not include active students who do not have any class enrollments (for example, research students).

Step 3: Calculate YEARSTU

For each student who is active in the reporting period, the Calculate Year of Student process uses the following selection method to calculate the year of student value: The process selects distinct activated terms for the Student Career. If the Instance has been linked to a prior Student Career using the Linked Career and Linked Career Number fields in the HESA Instance record, then the process also selects activated terms for the previous career with enrollments.

From the selected terms, the student must have at least one class enrollment that satisfies the following conditions:

- Class Start Date is within the reporting period, or Class End Date is within the reporting period, or Class Start Date is prior to the reporting period and Class End Date is after the reporting period.
- Status = *Enrolled* or *Dropped.*
- Units Taken value is greater than zero.
- Grading basis value matches one of the values defined in the Grading Basis Inclusion region with the Year of Student check box selected on the HESA Configuration page.
- Repeat Code value is null or does not match a value defined in the Repeat Code Exclusion region with the Year of Student check box selected on the HESA Configuration page.

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- If the student has multiple careers with the same Academic Career value as the career being processed (that is, the same career value with different career numbers), then the process applies a further filter to the class enrollments. In that case, the process selects the class only if the program value of the enrollment record matches one of the program values in the Student Program records for that career and career number.

The process then finds out the distinct reporting periods where the class enrollment overlaps (the process considers all delivered active or inactive reporting periods but does not consider any manually added reporting periods). The count of these reporting periods is the year of student value. The process ignores any future reporting periods, that is periods subsequent to the period selected as the run parameter. For example, if the student has only been active in the current (that is, the period selected as the parameter) reporting period then the YEARSTU value is 1, if the student has been active in 2 distinct reporting periods the YEARSTU value is 2.

Step 4: Store the Calculated YEARSTU

The Calculate Year of Student process stores the calculated YEARSTU value in the HESA Instance record as follows.

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The following first step has been modified because of the four new check boxes on the Calculate Year of Student page:

If the most recent effective dated HESA Instance record has an effective date before the reporting period start date:

1. The process creates a new effective dated record using the reporting period start date. It copies all the data from the following records to the new effective dated record: Header record (SSR_HE_INSTANCE), Entry Profile fields (SSR_HE_INST_FLD where SSR_HE_ENTR_FLAG = Y), Entry Qualifications (SSR_HE_QUAL_ENT), Employment Status (SSR_HE_INST_EST), Employment Monitoring (SSR_HE_INST_MON), Learner (SSR_HE_INST_LRN) and Learning Delivery (SSR_HE_INST_LDL). The Instance Details fields (SSR_HE_INST_FLD where SSR_HE_ENTR_FLAG = N), including the Further Education Instance fields, are copied only if you have selected the Copy Instance Details check box. The Qualifications Awarded (SSR_HE_QUAL_AWD) records are copied only if you have selected the Copy Qualifications Awarded check box. The Research Data (SSR_HE_INST_RES) records are copied only if you have selected the Copy Research Data check box. The FTE Details (SSR_HE_INST_FTE) records are copied only if you have selected the Copy FTE Details check box.
2. The process sets the YEARSTU value to the calculated value.
3. If the Increment Year of Program parameter check box is selected and the existing record has a Year of Program value greater than zero, the process increments the value by one in the new record.

If the HESA Instance record starts within the reporting period, the process inserts the calculated YEARSTU value to the existing record.

The process logs a message to confirm the value has been calculated and stored.

Calculating Full-Time Equivalence for Students

Access the Calculate Full-Time Equivalence page (Records and Enrollment, HESA Reporting, Extract Processing, Calculate FTE).

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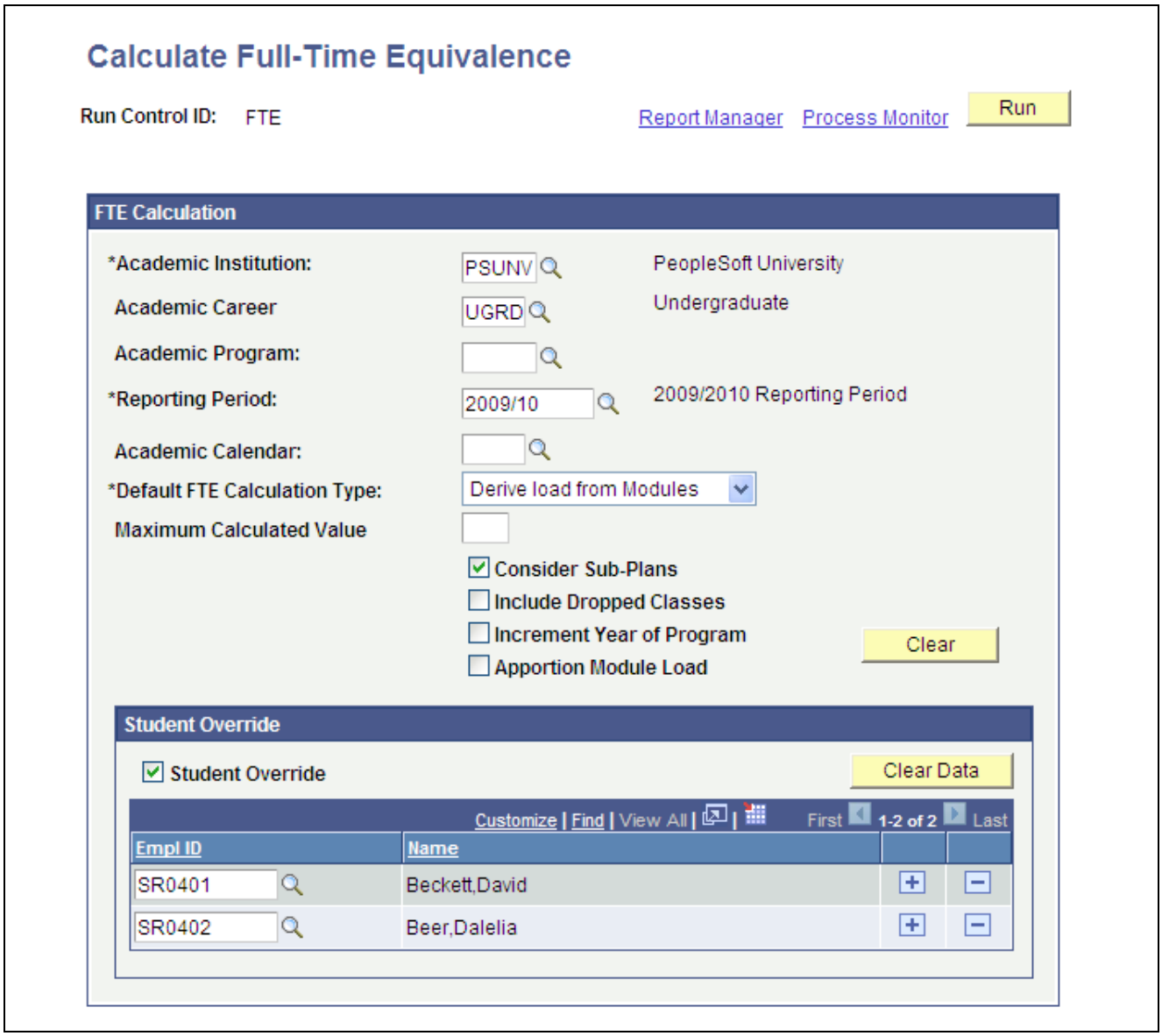

Calculate Full-Time Equivalence page

Student return's Instance.STULOAD is expressed as a percentage of FTE. A student who has been studying full-time for the reporting period has an FTE of 100. A student studying part-time has a value of less than 100 to represent the proportion of full-time study they have undertaken. For example, a student with half the load of a full-time student has a FTE of 50.

An institution can calculate the FTE based on either class enrollments or program load depending on its requirements.

An institution can define a calculation type of either *Derive load from Modules* (that is, calculation based on the student's class enrollments) or *Derive load from Program* (that is, calculation based on the FTE load defined for the year or for the program, plan, and subplan) at each data capture level (for example, the Plan HESA Data page for plan level). A default calculation type run parameter is also available to enable institutions to apply the same calculation type to all students of a particular institution, career, or program without the need for defining the calculation type against each program, plan, or subplan.

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Academic Career

Select a value to run the calculation process individually for each academic career. This enables your institution to apply a different FTE calculation type, academic calendars and full-time load to each distinct career.

Required to select an academic calendar or academic program.

Note. Do not select a value if you want to run the process for all academic careers in an institution. You should run the process for all academic careers only when the FTE Calculation Type is *Derive load from Modules* for all records.

If the FTE Calculation Type is *Derive load from Program* for any record, then you must select both academic career and academic calendar as the run parameters.

Academic Calendar

Select a value that the process uses for program calculation to determine the start and end dates of terms associated with the calendar that fall within the reporting period. The process uses these dates to apportion load for discontinued students.

Required if the Default Calculation Type is *Derive load from Program.*

Default FTE Calculation Type

Select a default value that the process uses if a calculation type is not defined for the program, plan, or subplan related to the HESA Instance record. Values include *Derive load from Modules* and *Derive load from Program.*

Maximum Calculated Value

Enter the maximum FTE value that the process can calculate. This field enables you to cap the calculated value to a maximum value, typically 100 for full-time students.

Consider Sub-Plans

Select to have the process consider subplan HESA records to determine FTE calculation type and FTE load. You can select a calculation type and enter an FTE load in the Sub-Plan HESA Data page or the Sub-Plan Offering/Year HESA page.

Include Dropped Classes

Select to have the process consider class enrollments with a status of *Dropped* along with class enrollments with a status of *Enrolled.*

Increment Year of Program

Select to have the existing Year of Program value increase by one when the Calculate Full-Time Equivalence process creates a new effective dated HESA Instance record for the reporting period.

Apportion Module Load

Select to have the process reduce the load of class enrollments for students who have discontinued, left, or cancelled.

The process considers the selection or de-selection of this check box only when the derived calculation type is *Derive Load from Modules.* The process always reduces the load for discontinuation if the calculation type is *Derive load from Program.*

Student Override

Select to specify single or multiple students for whom the process should calculate FTE.

Note. If you want to use calculation type or FTE load values at *Offering* or *Year* levels, then you must ensure that the Year of Program values in HESA Instance records are verified and updated before the FTE calculation process is run.

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The process determines the calculation type from the student's year, program, plan, or subplan. If no values exist in the data capture pages, it uses the default calculation type run parameter. After the process determines the calculation type, the calculation is done based on either the FTE Load defined in the data capture pages or class enrollments. For calculation based on program load, an adjustment is made if the student has discontinued before the end of the academic calendar.

The process initially selects each HESA Instance record that matches the process parameters. It selects the latest effective dated record with an Effective Date on or before the reporting period end date only if the Report to HESA setting = Y. If the selected record has Report to HESA setting = N, then the process does not include the record in the calculation even if previous effective dated records exist with the Report To HESA setting = Y. For each selected Instance, the process determines if the related Academic Career has at least one activated term overlapping the reporting period or at least one class enrollment overlapping the reporting period. If the relevant activated term or class enrollment does not exist for the student, then the process logs a message and skips processing the instance.

While determining if any classes overlap the reporting period, if the class enrollment has a Session = *OEE* (open entry/exit), rather than selecting the class start/end dates, the process selects the values from the Student OEE Enrollment Data record for the class enrollment. If the end date is not defined in Student OEE Enrollment Data then the process uses the class end date. The start date is mandatory for a Student OEE Enrollment Data record. Note that the process uses this same OEE logic when it examines class enrollments in the following step 3, *If the FTE calculation type is Derive load from Modules.*

Calculation Steps

The following steps describe how for each selected instance the Calculate Full-Time Equivalence process calculates the FTE for the specified reporting period run parameter:

Step 1: Determine the Academic Career details

The process selects the following values from the associated academic career by selecting the most recent effective dated Student Program/Plan records that start on or before the reporting period end date:

- Academic Program
- Academic Load (Approved Academic Load)
- Academic Plan
- Academic Subplan

If multiple plans exist, then the process refers to the HESA Instance record to determine which plan to use. If plan is not defined, then it uses the plan with the lowest Plan Sequence value.

If multiple subplans exist with the Report to HESA setting = Y, then the process selects the subplan with the most recent Declare Date within the reporting period. If multiple records exist with the same Declare Date, then the process selects the record with the lowest subplan code ordered alphabetically.

Step 2: Determine the FTE Calculation Type and FTE Load

After selecting the program, academic load, plan and subplan, the Calculate Full-Time Equivalence process selects the Year of Program (YEARPRG) value from the HESA Instance record . The process determines the FTE Calculation Type and FTE Load in the following sequence:

1. If Consider Sub-Plans run parameter is selected and the HESA Sub-Plan Offering Year contains the selected subplan, academic load, and year of program, then the process selects the FTE values from the HESA Sub-Plan Offering Year.
2. If Consider Sub-Plans run parameter is selected and the HESA Sub-Plan Offering contains the selected subplan and academic load, then the process selects the FTE values from the HESA Sub-Plan Offering.

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3. If Consider Sub-Plans run parameter is selected and the HESA Sub-Plan contains the selected subplan, then the process selects FTE values from the HESA Sub-Plan.
4. If the HESA Plan Offering Year contains the selected plan, academic load and year of program, then the process selects the FTE values from the HESA Plan Offering Year.
5. If the HESA Plan Offering contains the selected plan and academic load, then the process selects FTE values from the HESA Plan Offering.
6. If the HESA Plan contains the selected plan, then the process selects FTE values from the HESA Plan.
7. If the HESA Program Offering Year contains the selected program, academic load, and year of program, then the process selects FTE values from the HESA Program Offering Year.
8. If the HESA Program Offering contains the selected program and academic load, then the process selects FTE values from the HESA Program Offering.
9. If the HESA Program contains the selected program, then the process selects the FTE values from the HESA Program.
10. The process selects the Default Calculation Type run parameter value and sets the FTE Load to either 100 (if the calculation type is *Derive load from Program)* or zero (if calculation type is *Derive load from Modules).*

The following validations apply to the sequence of steps:

- If the process finds the FTE Calculation Type in any of the steps, it stops processing the subsequent steps. If the FTE Load is not defined, then the process retrieves the Calculation Type from that step, and load is set to zero. For example, in step 3, if the process finds out that the FTE Calculation Type value exists but the FTE Load value does not exist on the HESA Sub-Plan page, then it sets the FTE Load value as zero.
- If YEARPG value is zero or null in the HESA Instance record, then the process does not perform steps that match to Offering Years (Steps 1, 4, and 7).
- The FTE Load value is only required if the calculation type is *Derive load from Program.* If you selected the calculation type as *Derive load from Modules* on the data capture page, then the process automatically sets the FTE Load value as zero.

For each record, the process logs a message indicating the derived FTE Calculation Type and the step that derived the value. .

Step 3: If the FTE calculation type is Derive load from Modules

The Calculate Full-Time Equivalence process selects class enrollments for the student as described in the following steps:

1. The process selects activated terms for the Student Career.
2. From each selected term, it selects classes that satisfy the following conditions:
   - Class Start Date is within the reporting period, or Class End Date is within the reporting period, or Class Start Date is prior to the reporting period and Class End Date is after the reporting period.
   - Status = Enrolled or Status = Dropped (if the Include Dropped Modules check box is selected on the Calculate Full-Time Equivalence page).
   - Units Taken value is greater than zero.
   - Grading basis value matches one of the values defined in the Grading Basis Inclusion region with the FTE check box selected on the HESA Configuration page.
   - Repeat Code value is null or does not match a value defined in the Repeat Code Exclusion region with the FTE check box selected on the HESA Configuration page.

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- If the student has multiple careers with the same Academic Career value as the career being processed (that is, the same career value with different career numbers), then the process applies a further filter to the class enrollments. In that case, the process selects the class only if the program value of the enrollment record matches one of the program values in the Student Program records for that career and career number.

For each class enrollment, the process finds the associated Module HESA Data record that contains the relevant Course ID/Course Offering Number. The process considers the most recent effective dated record where the effective date is not after the reporting period end date.

The process determines the FTE field value for the Module (from Module HESA Data). This value is the class FTE value (that is, Module FTE = Class FTE). If the FTE field value for the Module is not defined, then the process determines the value as zero (that is, Class FTE = 0).

If the Class Start Date is before the Reporting Period Start Date or if the Class End Date is after the Reporting Period End Date (that is, class overlaps more than one reporting period):

1. Determine the total class days from Class Start Date to Class End Date.
2. Determine the total student days for the reporting period as the number of days from the Class Start Date or Reporting Period Start Date (whichever is the latest) until the Class End Date or Reporting Period End Date (whichever is the earliest).
3. Updated Class FTE = (student days in reporting period / total class days) * Class FTE
4. If the load has been reduced (that is, total student days is less than total class days), log a message indicating that the load for that Course Offering has been reduced.

If the class enrollment status = Enrolled, then the process reduces module load where the student has discontinued or withdrawn, as described in the following steps:

1. The process selects the most recent effective dated row in the Student Program record with effective date on or before the reporting period end date.
2. If the Apportion Module Load run parameter is selected and the Student Program status is Discontinued (DC) or Leave of Absence (LA) or Cancelled (CN), then the process reduces the module FTE as described in the following steps to reflect an early leaving date:
   a. The process determines the Student Leave Date as the effective date of the selected Student Program plan record.
   b. The process determines the Term End Date of the class enrollment.
   c. If the Student Leave Date is null or on or after the Term End Date, then the process does not reduce the load. The process includes the full load in the total calculation.
   d. If the Student Leave Date is before the Class End Date, the process reduces the load described as follows:

      — Determine the total student days in the reporting period from Class Start Date or Reporting Period Start Date (whichever is the latest) until the Student Leave Date (not including the day of the leave date in the total).

      — Determine the total class days in the reporting period from the Class Start Date or the reporting period start date (whichever is the latest) to Class End Date or Reporting Period End Date (whichever is the earliest) .

      — Determine the Class FTE = (student days / class days) * Class FTE.

      — If the load has been reduced (that is, total student days is less than total class days), then log a message to indicate that the load for that Course Offering has been reduced.

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If the parameter Apportion Module Load is not selected or status is not DC, LA, or CN, adjustment to the load for the class enrollment is not required.

If the class enrollment status = Dropped, then the process reduces module load for dropped classes based on drop date as described in the following steps:

1. The process determines the Class Drop Date from the class enrollment record.
2. If the Class Drop Date is in the reporting period and before the Class End Date, the process reduces the load described as follows:
   a. Determine the total student days from Class Start Date or Reporting Period Start Date (whichever is the latest) until the Class Drop Date (not including the day of the drop date in the total).
   b. Determine the total class days from Class Start Date or Reporting Period Start Date (whichever is the latest) to Class End Date or Reporting Period End Date (whichever is the earliest)
   c. Determine the Class FTE = (student days / class days) * Class FTE

If the Class Drop Date is not in the reporting period and before the Class End Date, no reduction is required. Note that the process reduces the load for dropped classes regardless of whether the Apportion Module Load run parameter is selected or cleared.

Calculated FTE = total of the individual module FTE values for each class enrollment (that is, FTE for each Module HESA Data record) with adjustments for discontinuation as mentioned above.

The process logs a message confirming the calculated FTE values.

Step 4: If FTE Calculation Type is Derive load from Program

The Calculate Full-Time Equivalence process uses the derived FTE Load as described in the following steps:

1. The process selects the most recent effective dated row in the Student Program record with effective date on or before the reporting period end date.
2. If the status is not Discontinued (DC), Leave of Absence (LA) or Cancelled (CN), then the Calculated FTE = FTE Load.
3. If the status is Discontinued (DC), Leave of Absence (LA), or Cancelled (CN), the process apportions the load according to date of discontinuation/leave/withdrawal as described in the following steps:
   a. The process determines the full teaching period for the Academic Calendar with reference to each of the terms associated with the calendar and the reporting period (that is the term is associated with Academic Calendar run parameter and the Term Begin Date falls in the reporting period). Then, the process sets Teaching Start Date = the earliest Term Begin Date and Teaching End Date = the latest Term End Date.
   b. The process determines the Student Days as being from the Teaching Start Date until the Effective Date of the discontinuation, leave of absence or withdrawal.
   c. The process determines the Teaching Days as being from the Teaching Start Date to the Teaching End Date
   d. Calculated FTE = FTE Load * (Student Days / Teaching Days)
   e. The process logs a message indicating the calculated FTE value after discontinuation or leave of absence.

Step 5: Store the Calculated FTE

The Calculate Full-Time Equivalence process stores the calculated FTE in the HESA Instance record as described in the following steps:

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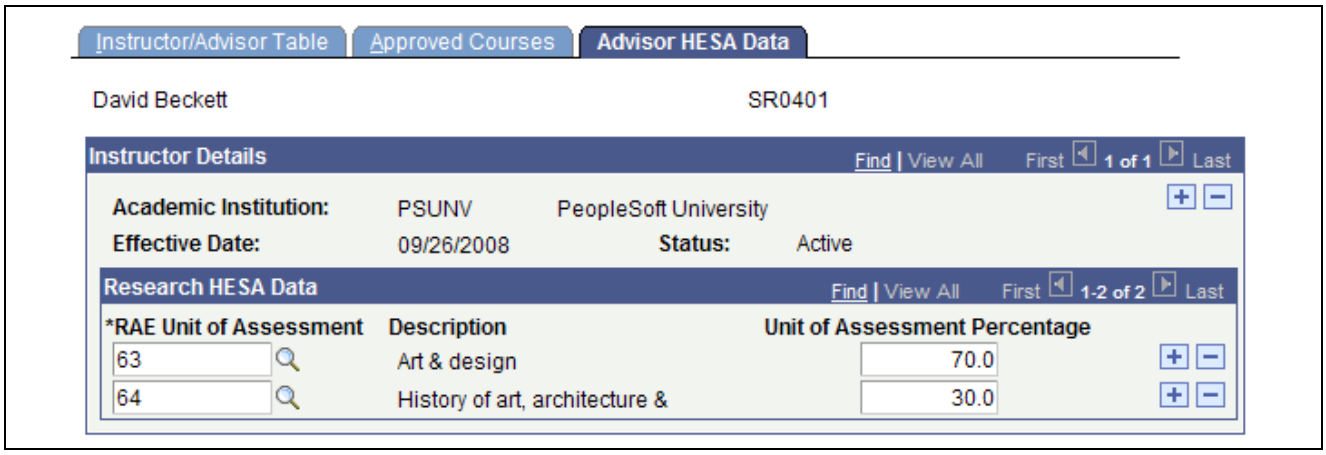
1. If the Maximum Calculated Value run parameter value is specified and the Calculated FTE value is greater than the parameter value, then the process replaces the Calculated FTE value with the Maximum Calculated Value when the value is stored in the HESA Instance record.
2. If the most recent effective dated HESA Instance record has an effective date before the reporting period start date, the process performs the following steps:
   a. The process creates a new effective dated record using the Reporting Period Start Date.
   b. If the Increment Year of Program run parameter is selected and the existing record has a Year of Program value, then the process increments the Year of Program value by one in the new record.
3. The process selects the most recent effective dated HESA Instance record that starts on or before the reporting period end date (that is, the process selects either the newly created record above or the existing record that starts within the reporting period).
4. If there is an existing FTE record for the reporting period (in PS_SSR_HE_INST_FTE), the process updates the Calculated FTE value of the existing record. The process retains any existing Override FTE and Report Zero setting values.
5. If FTE record does not exist for the reporting period, the process creates a new FTE record using the Reporting Period and Calculated FTE values. It sets the Override FTE value to zero and the Report Zero setting is not selected. The process uses the Override FTE value only if the value is greater than zero. The Report Zero check box is provided in the HESA Instance page to allow a zero override to be applied to the extract. If the calculated FTE values is greater than 100 and the institution wants the return STULOAD as 100, then you can use the HESA Instance page to manually add an Override FTE value of 100.

Entering HESA Advisor Data for a Student

Access the Advisor HESA Data page (Curriculum Management, Instructor/Advisor Information, Instructor/Advisor Table, Advisor HESA Data).



Advisor HESA Data page

You can enter a maximum of three RAE Units of Assessment. The total percentage for the three subjects must equal 100.

Entering DEGEST Value

Access the Regional page (Campus Community, Organization, Create/Maintain Organizations, Organization Table, Regional).

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Previous Degree Establishment Enter a value that the system can use derive the Student.DEGEST value for ITT Return

Entering DEGTYPE Value

Access the Degree Table page (Set Up SACR, Foundation Tables, Academic Structure, Degree Table).

Previous Degree Type Enter a value that the system can use to derive the Student.DEGTYPE value for ITT return.

Preparing for Generating DLHE Return

This section provides an overview of processing DLHE return and discusses how to:

- Identify the DLHE target population.
- Import POPDLHE survey target list.
- Add, view, and update surveys.

Understanding Preparing for Generating DLHE Return

For Student, Offshore, and ITT returns, an academic institution collects most of the data from the data capture pages. For DLHE returns, an institution collects most of the return data by conducting a survey of the students.

An academic institution can create a DLHE survey return either from their student data or by importing the POPDLHE file. There are numerous ways through which an institution can collect survey data from students, for example:

- By asking the student to complete the online survey.
- By conducting a telephone survey and entering the survey details on behalf of the student.
- By asking the student to complete and return a paper questionnaire and then enter the survey details on behalf of the student.

The following diagram illustrates how an institution can process the DLHE survey.

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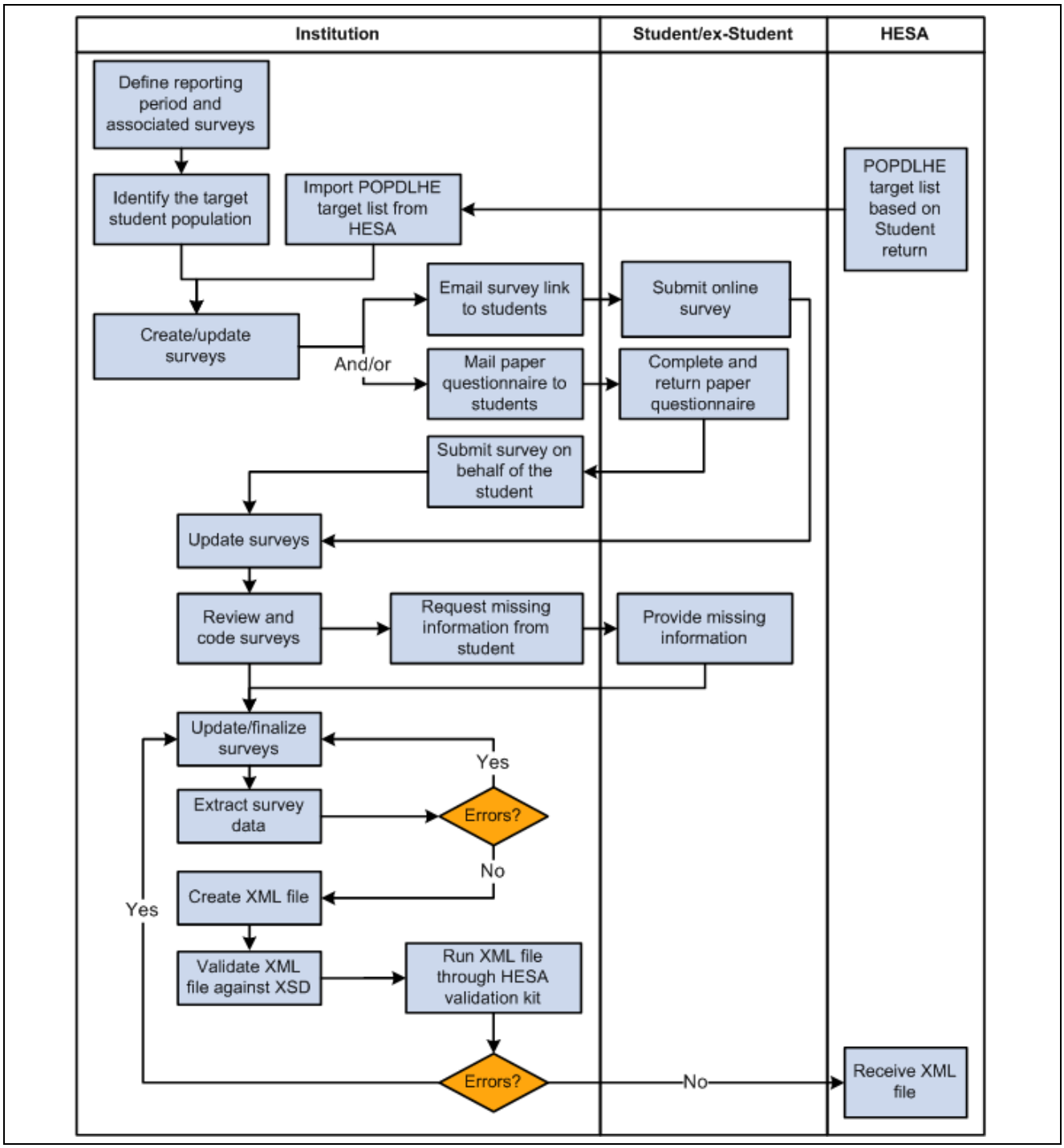

Example for processing the DLHE survey

See Also

Setting Up a HESA Return section in this chapter

PeopleSoft Campus Self Service 9.0 PeopleBook, (GBR) Using DLHE Self-Service Survey

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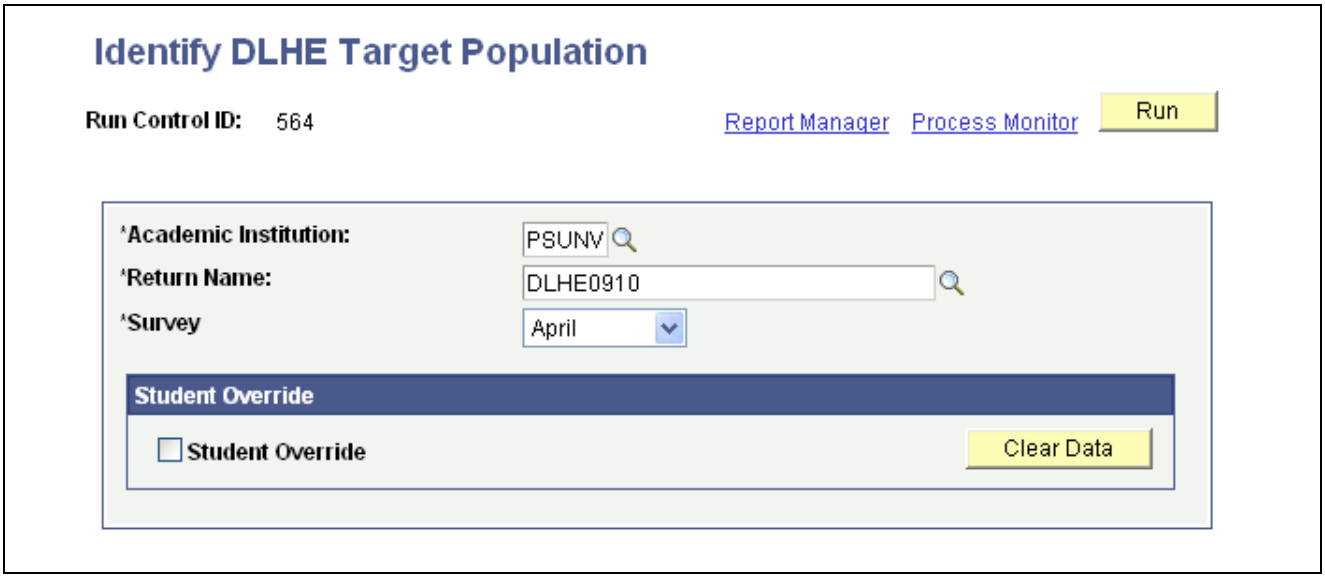
Pages Used to Prepare for Generating DLHE Return

Page Name	Definition Name	Navigation	Usage
Identify DLHE Target Population	SSR_HE_TARPOP	Records and Enrollment, HESA Reporting, Destination of Leavers, Identify Target Population	Run the process to create/update survey records from students' records in your system.
Import POPDLHE Survey Target List	SSR_HE_IMP_TPOP	Records and Enrollment, HESA Reporting, Destination of Leavers, Import Target Population	Run the process to import the target list (POPDLHE) and create/update DLHE survey records.
Survey Management	SSR_HE_SURV_MGMT	Records and Enrollment, HESA Reporting, Destination of Leavers, Survey Management	Allows users to retrieve existing survey records, update the record, navigate to further detailed survey pages, navigate to the self-service survey pages or navigate to add a new survey.
Add a Survey	SSR_HE_SURV_ADD	Click the Add Survey button on the Survey Management page.	Supplementary page to allow users to manually add a new survey record.
Survey Details	SSR_HE_SURV_DTLS	Click the Details button on the Survey Management page.	Supplementary page to view further details of a survey and to add or update coded values required for the HESA extract.

Identifying DLHE Target Population

Access the Identify DLHE Target Population page (Records and Enrollment, HESA Reporting, Destination of Leavers, Identify Target Population).



Identify DLHE Target Population page

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The process has been updated to derive Instance.MODE and store the Instance.MODE value in the survey record.

Survey Select the DLHE Survey translate values of April or January.

Use the Student Override region to specify single or multiple students for whom the process determines eligibility for including in the DLHE survey.

Processing Steps

The process selects student careers whose latest HESA Instance record has Report to HESA = *Y*.

For each distinct student career for the institution, the process derives the following fields and includes the student in the survey if all of the following criteria are met.

Field	Derivation Criteria for the Student
End Date of Instance (Instance.ENDDATE)	The derived value should fall on or between the Qualifying Start Date and the Qualifying End Date for the survey. For the April Survey, the Instance.ENDDATE is between 01-AUG-YYYY and 31-DEC-YYYY, where YYYY is the year element from the start date of the reporting period. For the January Survey, the Instance.ENDDATE is between 01-JAN-YYYY and 31-JUL-YYYY, where YYYY is the year element from the end date of the reporting period.
Mode of Study (Instance.MODE)	The derived value should not equal 63 or 64 or MODE is 63 or 64 and QUAL begins with D or L.
Location of Study (Instance.LOCSDY)	The derived value is null or not *S* (The value *S* means that the student is studying abroad and is included in the Student record because the student has spent or will spend more than 8 weeks in UK).
Exchange Programmes (Instance.EXCHANGE)	The derived value is null or is not one of the following incoming exchange student codes: • *2* (Incoming TEMPUS student) • *4* (Other incoming exchange or visiting student) • *8* (Incoming LLP ERASMUS student) • *9* (Incoming LLP COMENIUS student) • *A* (Incoming ERASMUS MUNDUS student) • *Z* (Student studying mainly overseas as part of a collaboration)

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Field	Derivation Criteria for the Student
Qualification Awarded (QUAL)	There must be is at least one derived QUAL value that has a code that is not null or *NULL ERROR* and is not one of the following: For Intercalated degrees: *H24* (First degree with honours on the intercalated pattern) For awards for visiting students: • *L91* (Visiting research students at levels D or L, with formal or informal credit) • *M91* (Visiting taught students at levels E or M, with formal or informal credit) • *H91* (Visiting students at level H, with formal or informal credit) • *I91* (Visiting students at level I, with formal or informal credit) For Post-registration health and social care awards: • *M76* (Post-registration health and social care qualification at level M) • *H76* (Post-registration health and social care qualification at level H other than a first degree with honours) • *I76* (Post-registration health and social care qualification at level I other than an ordinary (non-honours) first degree) • *J76* (Post-registration health and social care qualification at level J) For professional qualifications for serving schoolteachers: • *M72* (Post-registration education qualification at level M other than a masters degree for serving schoolteachers) • *H72* (Professional qualification at level H for serving schoolteachers other than a first degree with honours) • *I72* (Professional qualification at level I for serving schoolteachers) For awards of credit: • *D90* (Advanced supervised research at level D for institutional credit) • *E90* (Advanced taught study at level E for institutional credit) • *L90* (Advanced supervised research at level L for institutional credit)
Reason for Ending Instance (Instance,RSNEND)	The derived value is not 5.

The following table describes how the process derives the fields listed in the preceding table.

Field	Derivation Logic
End Date of Instance (Instance.ENDDATE)	Values are derived for this field as per the Student return.
Mode of Study (Instance.MODE)	Values are derived for this field as per the Student return.
Year of Program (Instance.YEARPRG)	A value for this field is derived to derive Instance.LOCSDY and Instance.EXCHANGE. Value is derived for YEARPRG as per the Student return, except the field derivation rules (relating to REDUCEDI and Country) and the use of default and null error steps.
Course Identifier (Instance.COURSEID)	To derive Instance.LOCSDY and Instance.EXCHANGE, the system needs to determine whether the Instance.COURSEID is based upon a subplan or plan.

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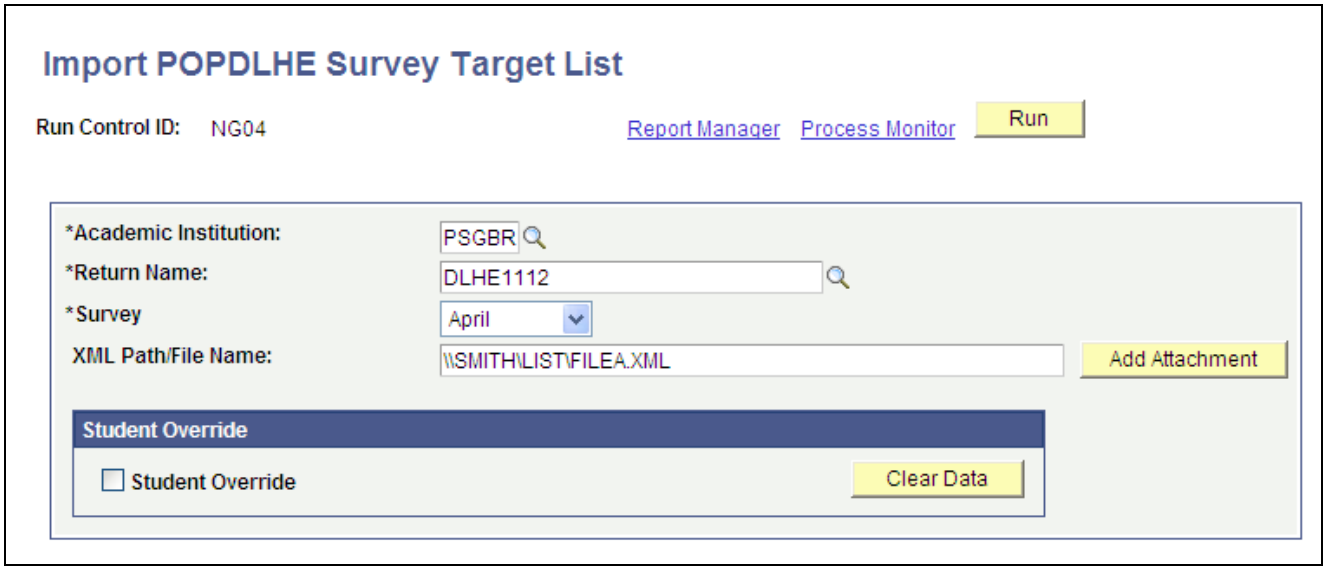
Field	Derivation Logic
Location of Study (Instance.LOCSDY)	Values are derived for this field as per the Student Return, except the field derivation rule (relating to REDUCEDI) and the constant, default and null error steps.
Exchange Programmes (Instance.EXCHANGE)	Values are derived for this field as per the Student Return, except the field derivation rule (relating to REDUCEDI, COURSEAIM and Country) and without the constant, default and null error steps.
Qualification Awarded (QualificationsAwarded.QUAL)	Values are derived for this field as per the Student Return, except that this value is derived for all records.
Reason for Ending Instance (Instance.RSNEND)	Values are derived for this field as per the Student Return, except the Student Program record selected in Step 1 is where the Effective Date is on or before the reporting period end date and a value is derived irrespective of the REDUCEDI value.

Survey Creation

If all the selection criteria are met, then the process either creates a new survey record for the student or, if a record already exists, updates the record. The Survey Source is set to *I*. If the student has multiple career records then potentially the student may be picked up more than once by the selection logic for inclusion. In that case, the process creates multiple survey records for the distinct careers and logs a message. You must review the survey records and exclude any unwanted survey records by setting the survey status to *Duplicate*.

Importing POPDLHE Survey Target List

Access the Import POPDLHE Survey Target List page (Records and Enrollment, HESA Reporting, Destination of Leavers, Import Target Population).



Import POPDLHE Survey Target List page

Bundle 28
The process has been updated to import XQMODE01 values and stored them in the survey record.

Survey Select the DLHE Survey translate values of April or January.

XML Path/File Name Enter the file path and file name that you want the system to import.

Add Attachment Click to browse to the XML file that HESA provides, and click Upload. You can browse your local drive and select a file.

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Note. The upload process creates a files subdirectory to store and process the XML file. This subdirectory is created in the server directory location that is specified in the PS_SERVDIR system parameter in the Application Server/Process Scheduler configuration file psappsrv.cfg/psprcs.cfg. Ensure that PS_SERVDIR is set up with an appropriate value in the configuration file and that users have the correct permission to access the files subdirectory.

Use the Student Override region to specify single or multiple students for whom the process imports the DLHE record and creates a survey.

Processing Steps

The import process creates or updates records for a single survey selected as a parameter. If the POPDLHE file provided by HESA contains records for multiple surveys (for example, APR and JAN), then the process should be run twice for the same XML. It should be run once for each survey.

The process clears existing staging table records, opens the XML file and imports records into the staging table.

Only records with the CENSUS value that matches the DLHE survey parameter value of APR or JAN are loaded.

If you provide the Student Override parameter value, then the process imports into the staging table only the records where the OWNSTU value matches one of the specified EMPLID (person ID) values.

For each staging record, the process matches to a single HESA Instance record based upon the following values:

- Academic Institution
- EMPLID: from OWNSTU in the target list record.
- Instance Identifier: from NUMHUS in the target list record.

If the process finds multiple HESA instance records, it selects the most recent effective dated record. For each HESA instance record, it selects the most recent effective dated record on or before the reporting period end date. If there is no existing survey for the combination of Institution, EMPLID, Academic Career, Student Career Number, Return Name and DLHE Survey, then the process creates a new record. The process then sets the Survey Source to *P*. If there is an existing survey, it updates the record.

Adding, Viewing, and Updating Surveys

Access the Survey Management page (Records and Enrollment, HESA Reporting, Destination of Leavers, Survey Management).

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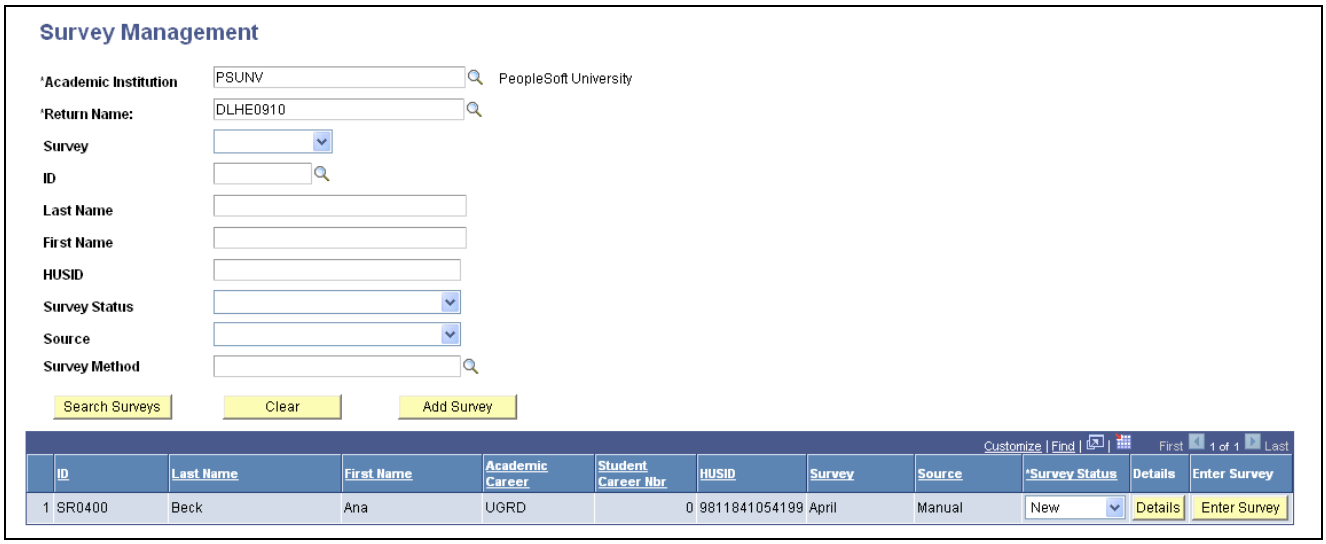

Survey Management page

The Survey Management page enables users to retrieve existing survey records and either update the record on the page, navigate to a further detailed survey update page, navigate to the self-service DLHE Survey pages, or navigate to add a new survey.

Survey Status	Select the current status value of the survey from the possible translate values defined as Coded, Duplicate, Excluded, New, Saved or Submitted.
Source	Select the source translate values of the survey.
Survey Method	Select the method of data collection.
Details	Click to access the Survey Details page where you can review further details of the survey and add codes where required.
Enter Survey	Click to access the self-service Enter DLHE Survey page of the student where you can update the survey on behalf of the student.
Add Survey	Click to access the Add a Survey page where you can add a new survey record.

You can use the Survey Management page to edit the surveys created by the processes (Import POPDLHE Survey Target List or Identify DLHE Target Population) or manually created.

Self-service Enter DLHE Survey page

Note that students can access this self-service page from the Student Center page.

See *PeopleSoft Campus Self Service 9.0 PeopleBook*, (GBR) Using DLHE Self-Service Survey

When a student accesses this page from the Student Center page, the I do not wish to give this information check box is not available for salary information (Section B). However, when you as an administrative user access the page using the Enter Survey button, the same check box is available. Other differences are:

- **Bundle 28**
  Radio buttons have been numbered for administrative users.
  The radio button options (for example, the Question 1 options labelled as Most Important) are numbered for the administrative users. But for students, the numbers do not appear.

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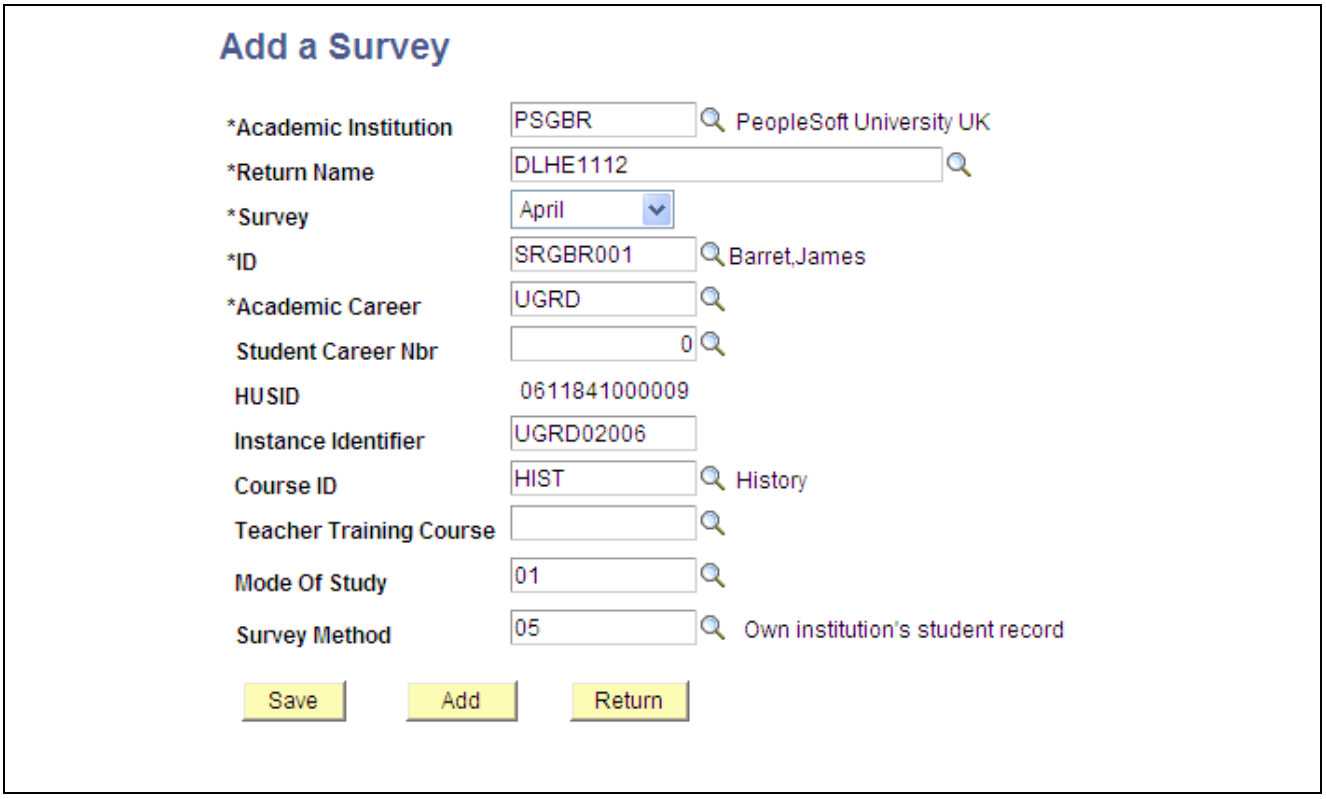
- The Occupational Classification field and the Post Doctoral Research Contract field for Question 4 and the JACS Subject field for Question 26 are available only for administrative users and not for students.

Adding a Survey

Access the Add a Survey page (Click the Add Survey button on the Survey Management page).
Bundle 28
Mode of Study field has been added.



Add a Survey page

Survey	Select the survey translate value for the April or January survey.
ID	Select person ID of the student for which the survey should be created.
Academic Career	Select the career for the selected person ID.
Mode of Study	Select an Instance.MODE code.

You can use this page to create a new survey rather than using the Import POPDLHE Survey Target List or Identify DLHE Target Population processes. The student must have a HUSID external system ID before you can add a survey. A HUSID ID type must be entered in the External System field of the HESA Configuration page.

Viewing or Updating Survey Details

Access the Survey Details page (Click the Details button on the Survey Management page).
Bundle 28
A read-only field — Part-Time Study — has been added.

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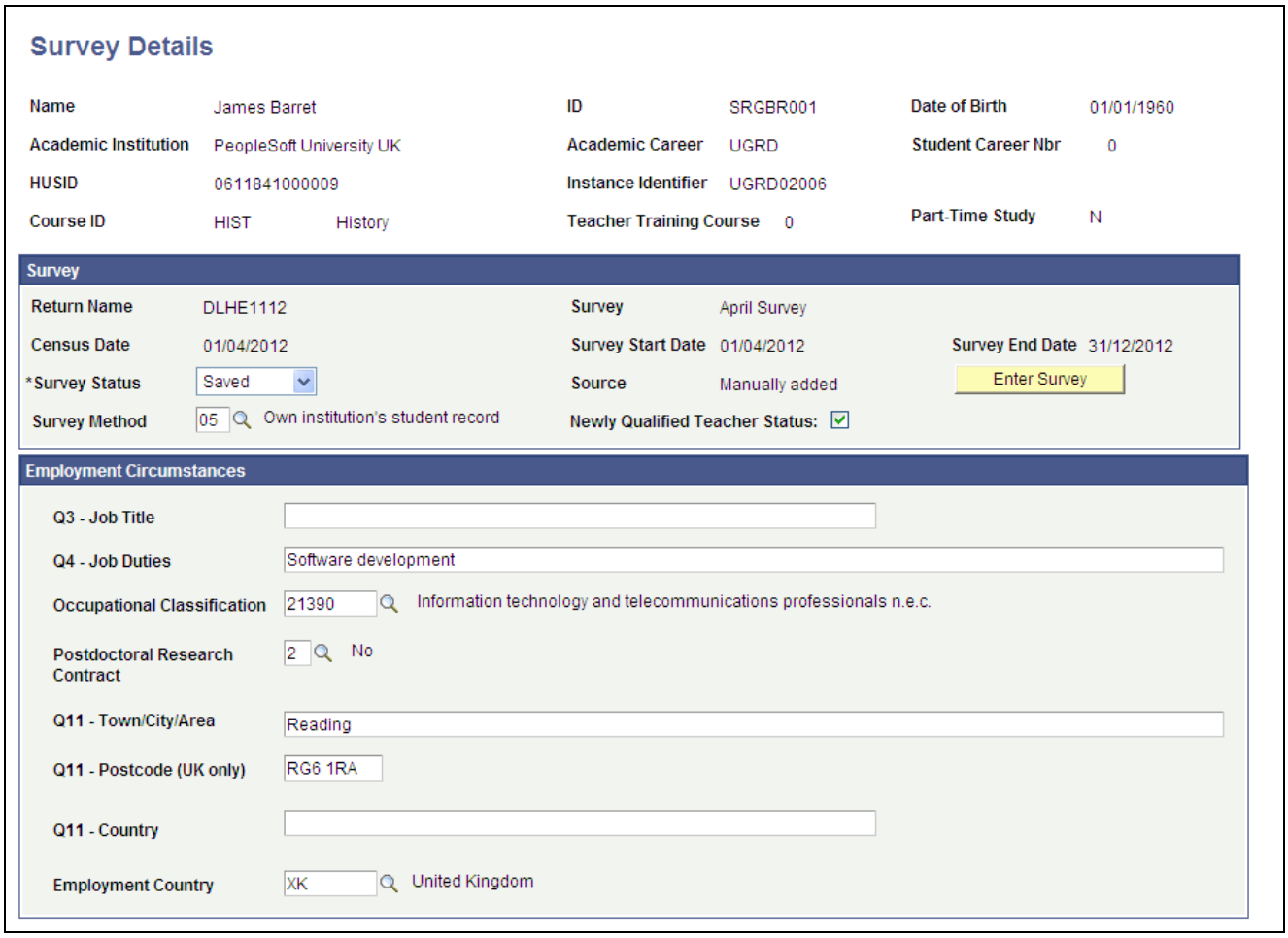

Survey Details page (1 of 2)

Survey Details page (2 of 2)

You can use the Survey Details page to view further details of a particular survey record and to add or update coded values required for the HESA extract of survey data.

Part-Time Study

Indicates whether the mode of study is full-time or part-time.

When a survey record is entered (by Import POPDLHE Survey Target List or Identify DLHE Target Population processes or manually through the Add a Survey page), the system sets this field to *N* when the Mode of Study value entered is one of the full-time codes: 01, 02, 23, 24 or 25, otherwise the system sets the field to *Y* (including when the Mode of Study value is not entered).

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Survey Status Select the current status value of the survey from the possible translate values defined as Coded, Duplicate, Excluded, New, Saved or Submitted.

Survey Method Select the method of data collection.

Newly Qualified Teacher Status The system selects or clears this check box based on the derived or imported Course.TTCID value. If the Course.TTCID value is *1*, then the system automatically selects this check box.

If required, you can manually select or clear this check box.

Employment Circumstances

The Employment Circumstances region displays the survey responses provided for key employment questions that are then used in coding of the survey prior to submission to HESA. The system enables this region if the student has selected either check box 1 (Working full-time) or check box 2 (Working part-time) under Activities for Q1 in the survey, that is SSR_HE_ALLACT1 = 1 or SSR_HE_ALLACT2 = 2. If neither check box is selected, then the system disables the Employment Circumstances region.

Q3 – Job Title Displays the answer provided by the student to Question 3 (JOBTITLE) on the survey. If required, you can manually edit the value.

Q4 – Job Duties Displays the answer provided by the student to Question 4 (JOBDUTIES) on the survey. If required, you can manually edit the value.

Occupational Classification Select the SOCDLHE coded value based upon the answers provided in Questions 3 and 4 on the survey.

Postdoctoral Research Contract Select the POSTDOC coded value based upon the answers provided in Questions 3 and 4 on the survey.

Q11 - Town/City/Area Displays the answer provided by the student to Question 11 on the survey (LOCEMP_AREA) relating to the town/area/country of his or her employment. If required, you can manually edit the value.

Q11 - Postcode (UK Only) Displays the answer provided by the student to Question 11 on the survey relating to the postcode of his or her UK employment. If required, you can manually edit the value.

Q11 - Country Displays the answer provided by the student to Question 11 on the survey relating to the country code of his or her UK employment.

Employment Country Select the coded country value if no UK postcode has been provided by the student in Question 11 on the survey.

Further Study

The Further Study region displays the survey responses provided for key further study questions that are used in the coding of the survey prior to submission to HESA. The system enables this region if the student has selected either check box 5 (Engaged in full-time further study…) or check box 6 (Engaged in part-time further study…) under Activities for Q1 in the survey, that is SSR_HE_ALLACT5 = 5 or SSR_HE_ALLACT6 = 6. If neither check box is selected, then the system disables the Further Study region.

Q25 - Course Name Displays the answer provided by the student to Question 25 (CRSENAME) on the survey. If required, you can manually edit the value.

Q26 - Subject Area Displays the answer provided by the student to Question 26 (CRSESBJ) on the survey. If required, you can manually edit the value.

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JACS Subject	Select the JACS coded value based on the answers provided in Question 25 and 26 on the survey.
Q27 - Institution Name	Displays the answer provided by the student to Question 27 (INSTNAME) on the survey.
Institution Providing Study	Select the UCPROV coded value based on the answers provided in Question 27 on the survey.

Generating a HESA Return and Creating a Return File

This section provides an overview of generating a HESA return and creating a return file and discusses how to:

- Import the HIN Target List.
- Generate a HESA extract.
- Review the extract data.
- Create a XML return file.
- Validate a XML return file.

Understanding Generating a HESA Return and Creating a Return File

After entering the data that you want to report to HESA at the various data capture levels, use the Create Extract process to generate the HESA return data. The return data is composed of extracts of various entities.

Before you generate the return data file, you can use the Extract Data pages to review and edit the HESA extracts that the Create Extract process generates.

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Documentation-only update — no code change:

The following two paragraphs have been updated to clarify the difference between the HESA Validation process and the HESA Validation Kit.

After reviewing the data for the Student, Offshore, ITT or DLHE return, use the Create XML Application Engine (SSR_HE_GXML) process to generate the XML file for the return. After the process generates the XML file, validate the file against the schema (not including the HESA business rules) using the Validate XML Application Engine (SSR_HE_VXML) process. You can review the errors reported by the Validate XML process, correct the errors, and rerun the extract process using the same or revised extract criteria.

You can validate the XML files both against the schema and the HESA business rules using the HESA Validation Kit. The HESA Validation Kit generates an error file that you can import into a Campus Solutions staging table. Once the records are imported, re-run the Create Extract process just for those records with validation errors. You can review these error records using the Extract Data pages, correct the errors, and rerun the extract process using the same or revised extract criteria.

When the full return passes the HESA validation, submit the XML file to HESA.

Note. You must run the Create HESA Instance process before running the Create Extract process.

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After the academic institution has submitted the Student return, HESA provides a target list for the next reporting period. This target list includes all instances that are incomplete or not reported as dormant in the current reporting period. HESA requires that an Instance entity be reported for all these students in the next reporting period. Use the Import HIN Target List Application Engine (SSR_HE_IMPHI) process to import the target list and select the HESA Instance records that must be included in the next year's Student return.

Pages Used to Generate a HESA Return and Create a Return File

Page Name	Definition Name	Navigation	Usage
Import HIN Target List	SR_HE_HIN_RC	Records and Enrollment, HESA Reporting, Extract Processing, Import HIN Target List	Import the target list and select the HESA Instance records that the institution must include in the next year's Student return.
Create Extract Data	SSR_HE_EXT_PRC_RC	Records and Enrollment, HESA Reporting, Extract Processing, Create Extract	Generate return data. Refer to the (GBR) HESA Field Derivation appendix in this PeopleBook for information about how the Create Extract process derives values for the entities and fields.
Institution Extract Data	SSR_HE_INSTITU_EXT	Records and Enrollment, HESA Reporting, Extract Data, Institution Extract Data	Review the Institution entity data that the Create Extract process generates. You can review the Institution entity data for Aggregate Offshore, Student, DLHE, and ITT returns.
DLHE Extract Data	SSR_HE_DLHE_EXT	Records and Enrollment, HESA Reporting, Extract Data, DLHE Survey Data	Review the Survey entity data that the Create Extract process generates.
Module Extract Data	SSR_HE_MOD_EXT	Records and Enrollment, HESA Reporting, Extract Data, Module Extract Data	Review the Module and Module Subject entity data that the Create Extract process generates.
Course Extract Data	SSR_HE_CRS_EXT	Records and Enrollment, HESA Reporting, Extract Data, Course Extract Data	Review the Course and Course Subject entity data that the Create Extract process generates.
Student Extract Data	SSR_HE_STUD_EXT	Records and Enrollment, HESA Reporting, Extract Data, Student Extract Data	Review the data that the Create Extract process generates for a student.
Instance Extract Data	SSR_HE_INST_EXT	Records and Enrollment, HESA Reporting, Extract Data, Student Extract Data, Instance Extract Data	Review the Instance, Student On Module, Entry Profile, Qualifications On Entry, Qualifications Awarded, and RAE entity data that the Create Extract process generates for a student.

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Page Name	Definition Name	Navigation	Usage
Provision Extract Data	SSR_HE_PROV_EXT	Records and Enrollment, HESA Reporting, Extract Data, Provision Extract Data	Review the Provision entity data that the Create Extract process generates for a student's Aggregate Offshore return.
ITT Extract Data	SR_HE_ISTUD_EX	Records and Enrollment, HESA Reporting, Extract Data, ITT Extract Data	Review the Student and Course Subject entity data that the Create Extract process generates for a student's ITT return.
Create XML	SSR_HE_GXML_RC	Records and Enrollment, HESA Reporting, Extract Processing, Create XML	Create the XML file for HESA submission.
HESA Validate XML	SSR_HE_VXML_RC	Records and Enrollment, HESA Reporting, Extract Processing, Validate XML	Validate the XML file generated by the Create XML process.

Importing the HIN Target List

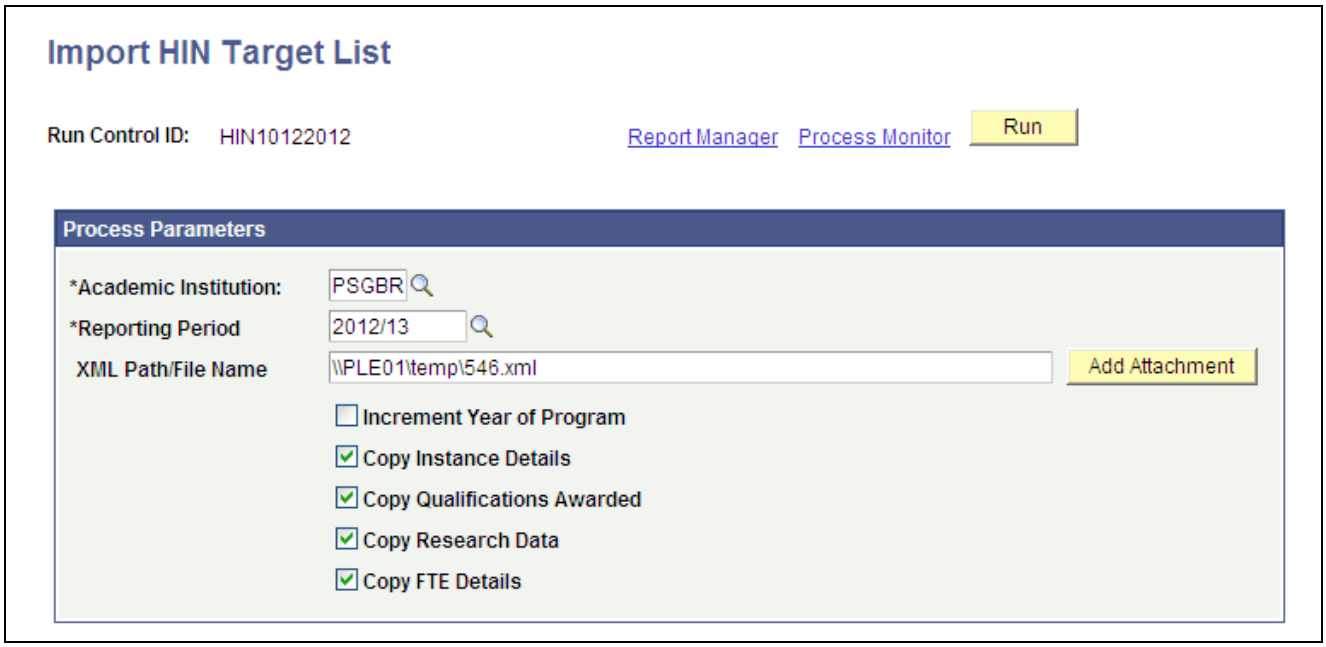
Access the Import HIN Target List page (Records and Enrollment, HESA Reporting, Extract Processing, Import HIN Target List).

Bundle 28

The following new check boxes have been added:

- **Copy Instance Details**
- **Copy Qualifications Awarded**
- **Copy Research Data**
- **Copy FTE Details**

Also, the Add Attachment button has been added.



Import HIN Target List page

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Before you run the process, ensure the following exist:

- HESA Instance records. These record contain the HIN Population Year field to store the reporting year value.
- Instance Identifier values in the HESA Instance records must match the NUMHUS values in the target list file.
- EMPLID values must match the OWNSTU values in the target list.

Increment Year of Program Select to increment the Year of Program value by one when the Import HIN Target List process creates a new effective dated HESA Instance record for the reporting period.

The Add Attachment button and XML Path/File Name field are similar to the same button and field on the Import POPDLHE Survey Target List page.

See “Importing POPDLHE Survey Target List” subsection in the Understanding Preparing for Generating DLHE Return section of this chapter.

The four check boxes (other than the Increment Year of Program check box) are similar to the check boxes on the Calculate Year of Student page.

See “Calculating Year of Student Values for Students” subsection of the Setting Up and Entering Data for HESA Reporting section in this chapter

The Import HIN Target List process sets the HIN Population Year of the instance records to the reporting year value of the reporting period parameter. This enables the Create Extract process to identify the instance records for the next reporting year. For example, when you run the Import HIN Target List process with a reporting period parameter set to *2009/10*, the process sets a student’s HIN Population Year to *2009*. Subsequently, when you run the Create Extract process for the reporting period *2009/10*, the HIN Population Year of the student matches the reporting year of the reporting period, and therefore the Create Extract process automatically includes the Instance entity of the student regardless of other criteria.

The following steps describe the Import HIN Target List process:

1. The Import HIN Target List process imports the target list into the staging tables.
2. For each staging record, the process finds HESA Instance records in Campus Solutions database by matching the academic institution (provided as the run parameter), EMPLID (provided as OWNSTU in the target list record), and Instance Identifier (provided as NUMHUS in the target list record). This may mean multiple records are picked up for the same Instance Identifier.
3. The process logs messages for those records that do not have a matching HESA Instance record. The process retains the unmatched record in the staging table.
4. If the most recent effective dated HESA Instance record has an effective date before the reporting period start date:

   Bundle 28

   Step a. has been modified because of the four new check boxes on the Import HIN Target List page:

   a. The Import HIN Target List process creates a new effective dated record using the reporting period start date. It copies all the data from the following records to the new effective dated record: Header record (SSR_HE_INSTANCE), Entry Profile fields (SSR_HE_INST_FLD where SSR_HE_ENTR_FLAG = Y), Entry Qualifications (SSR_HE_QUAL_ENT), Employment Status (SSR_HE_INST_EST), Employment Monitoring (SSR_HE_INST_MON), Learner (SSR_HE_INST_LRN), and Learning Delivery (SSR_HE_INST_LDL).

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The Instance Details fields (SSR_HE_INST_FLD where SSR_HE_ENTR_FLAG = N), including the Further Education Instance fields, are copied only if you have selected the Copy Instance Details check box.

The Qualifications Awarded (SSR_HE_QUAL_AWD) records are copied only if you have selected the Copy Qualifications Awarded check box.

The Research Data (SSR_HE_INST_RES) records are copied only if you have selected the Copy Research Data check box.

The FTE Details (SSR_HE_INST_FTE) records are copied only if you have selected the Copy FTE Details check box.

b. The process sets the HIN Population Year to the reporting year value of the reporting period parameter.

c. If the Increment Year of Program run parameter is selected and the existing record has a Year of Program value greater than zero, then the process increments the year of program by one in the new record.

5. If a HESA Instance record starts within the reporting period, the process sets the HIN Population Year of the existing record to the reporting year value of the reporting period parameter.

Generating a HESA Extract

Access the Create Extract Data page (Records and Enrollment, HESA Reporting, Extract Processing, Create Extract).

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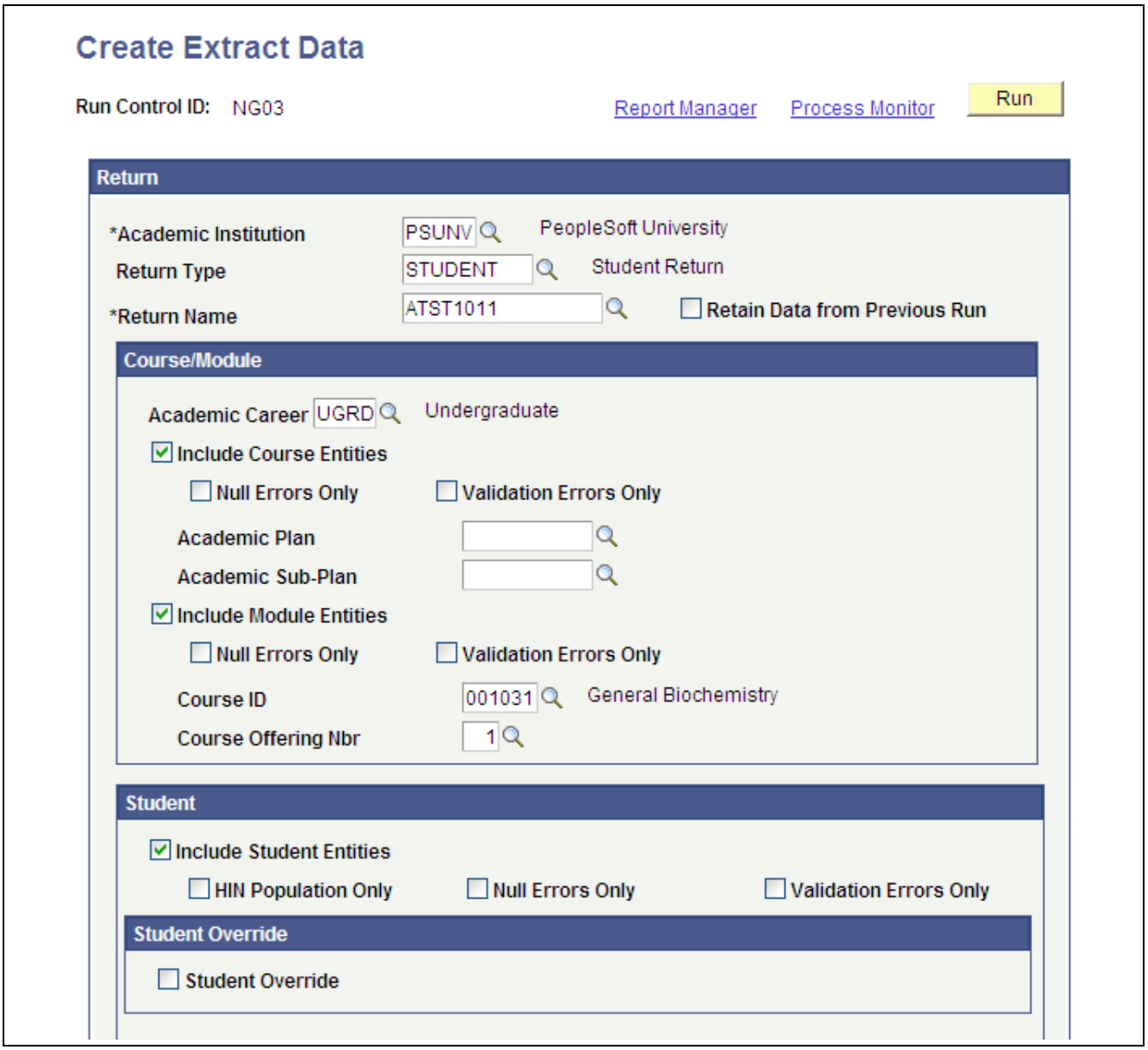

Create Extract Data page

Bundle 28
The Create Extract Data process derives fields for the Student return 2012/13. Refer to the updated "(GBR) HESA Field Derivation" appendix in CS_Bundle_28_Student_Records_9.0.pdf for information on derivation of new fields and derivation changes of existing fields.

Return Type	Enter a return type to filter the list of available returns in the Return Name field.
Return Name	Enter the return for which the process should generate the reporting data. You set up a return using the Returns Setup component.
Retain Data from Previous Run	Select to have the Create Extract process delete the existing inactive data, update the existing active data to inactive, and to extract new data. If the check box is cleared, then the process deletes all the existing data (both active and inactive) records and extracts the new data.

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The fields on this page are available for entry depending on the return you select. For example, the system disables the Course/Module, Student, and Student Override regions for an Aggregate Offshore return. If the return is DLHE, only the Null Errors Only and Validation Errors Only check boxes in the Student region and the Student Override region are available.

Course/Module

Use this region to include or exclude the Course and Module entity data in the return. Also, you can use the region to restrict the Course and Module entity data. For example, you can specify that the process should create Course data for all the courses in the undergraduate career and Module data for a Biochemistry course offering in the undergraduate career.

You can use this region for only Student return. This region is not applicable for ITT, Offshore, and DLHE returns.

Academic Career

Select to restrict the Course and Module extracts of the Student return to a particular career.

Note. If you select an academic career, the process will restrict the Instance extract in the Student return based on the selected career because the process creates Instance records only if the plan or subplan is already included in the Course extract.

The system enables the Academic Career field only if you select either the Include Course Entities check box or the Include Module Entities check box. However, if you select either the Null Errors Only check box or the Validation Errors Only check box, the system disables this field.

Include Course Entities

Select to include the Course and Course Subject extracts.

Null Errors Only

Select to restrict the Course extract to those records where a *NULL ERROR* value has been derived in the previous run of the process.

You cannot select both the Null Errors Only and Validation Errors Only check boxes for the Course entity.

Validation Errors Only

Select to restrict the Course extract to those records where the HESA Validation Kit has identified a validation error and the error details have been imported to the validation staging table.

Academic Plan

Select to restrict Course extract to a particular plan.

The system enables this field only if the Include Course Entities check box is selected and both the Null Errors Only and Validation Errors Only check boxes are cleared.

All active academic plans are available for selection. Ensure that the Report to HESA check box is selected on the Plan HESA Data page for the plan you have selected.

Academic Sub-Plan

Select to restrict Course extract to a particular subplan.

The system enables this field only if the Include Course Entities check box is selected and both the Null Errors Only and Validation Errors Only check boxes are cleared.

All active academic subplans are available for selection. Ensure that the Report to HESA check box is selected on the Sub-Plan HESA Data page for

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the subplan you have selected. Also, select the Enable Sub-Plan Reporting check box on the HESA Returns page if you want to report subplan data.

Include Module Entities Select to include the Module and Module Subject extracts.

Null Errors Only Select to restrict the Module extract to those records where a *NULL ERROR* value has been derived in the previous run of the process.

You cannot select both the Null Errors Only and Validation Errors Only check boxes for the Module entity.

Validation Errors Only Select to restrict the Module extract to those records where the HESA Validation Kit has identified a validation error and the error details have been imported to the validation staging table.

Course ID and Course Offering Nbr Select to restrict the Course entity data to a particular course.

If you select a Course ID or Course Offering Number, the process creates Module and StudentOnModule data for only the selected values.

All active courses are available for selection. Ensure that the Report to HESA check box is selected on the HESA Module Data page for the course ID and course offering number you have selected.

The system enables this field only if the Include Module Entities check box is selected and both the Null Errors Only and Validation Errors Only check boxes are cleared.

Student

Use this region to include or exclude the student-related entity data in the return. Also, you can use the region to restrict the student-related entity data. Examples of student-related entities include Instance, Student, and Entry Profile entities.

Include Student Entities Select to include the student-related extracts.

The system enables this check box for only Student returns. For DLHE and ITT, the Create Extract process automatically includes the student-related entity data.

HIN Population Only Select to restrict the Instance extract to only those continuing students whose HIN Population Year value in the HESA Instance record matches the Reporting Period Year.

The system enables this check box for only Student returns.

Note that this check box affects only continuing students and does not affect new students.

Null Errors Only Select to restrict returns to those students where a *NULL ERROR* value has been derived in one of the student-related entities during a previous run of the process.

You cannot select all three check boxes — Null Errors Only, Validation Errors Only, and Student Overrides — for the student-related entities. Only one check box can be selected.

The system enables this check box for only Student, ITT, and DLHE returns.

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Validation Errors Only Select to restrict the student-related entities in the extract to those records where the HESA Validation Kit has identified a validation error and the error details have been imported to the validation staging table.

You cannot select all three check boxes — Null Errors Only, Validation Errors Only, and Student Overrides — for the student-related entities. Only one check box can be selected.

The system enables this check box for only Student and ITT returns.

Student Override

Use this region to specify a single or multiple students for whom the process should generate the return data.

The system enables the Student Override check box for only Student, ITT, and DLHE returns.

Processing Diagram

The following diagram describes how the Create Extract process creates the entities for a student return:

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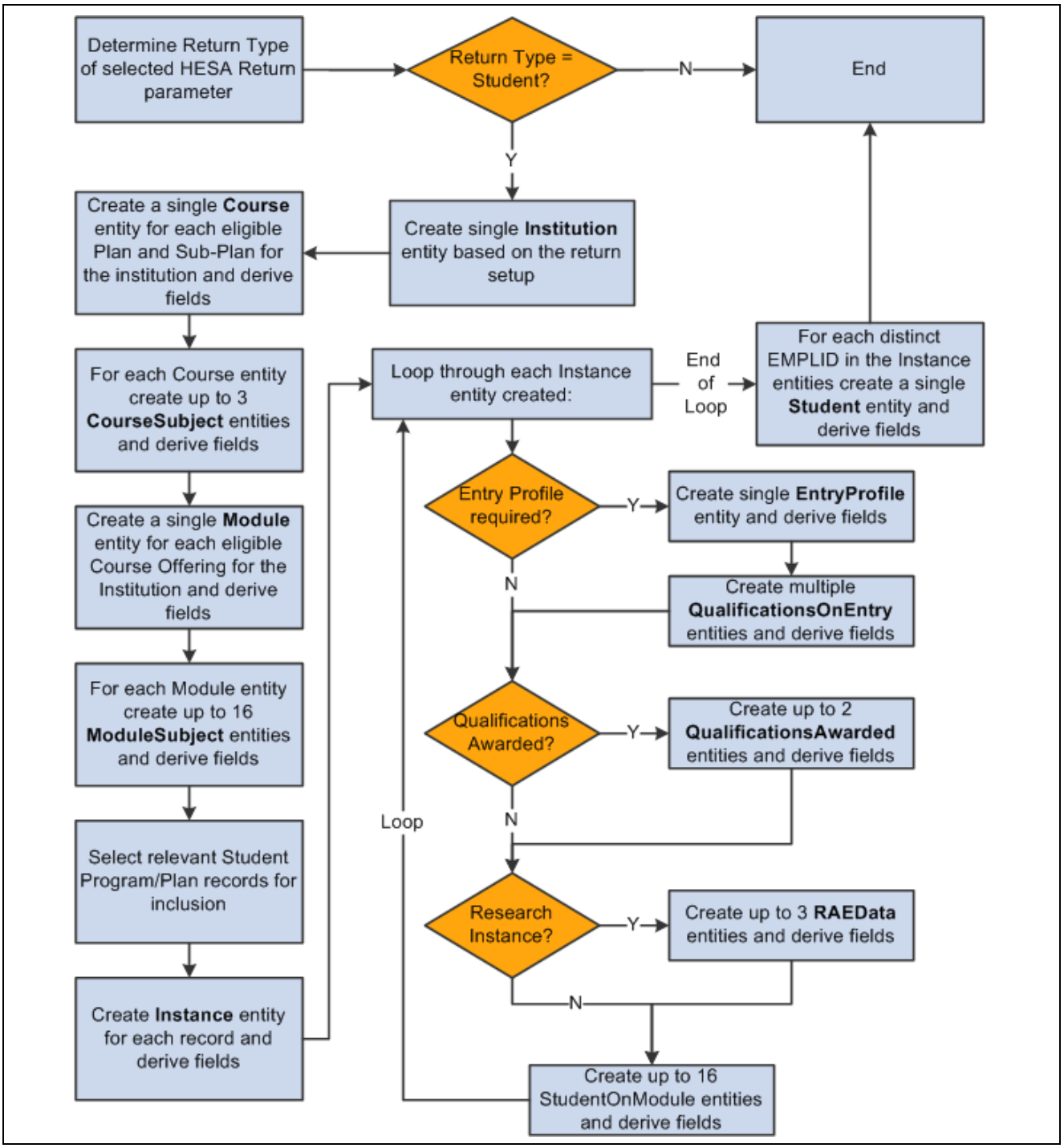

Process for Creating Student Return Entities

When the process creates an entity record, it sets the record to *active*. The records it created previously are set to *inactive* or deleted depending on whether or not the Retain Data from Previous Run check box is selected. The process deletes the records it created before the previous run.

Refer to the (GBR) HESA Field Derivation appendix in this PeopleBook for information about how the system includes records for each entity. Also, refer to the following sections in the (GBR) HESA Field Derivation appendix for information about how the entities are processed when you select the validation only and null only check boxes:

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- Student Record Return: Course Entity
- Student Record Return: Module Entity
- Student Record Return: Instance Entity
- ITT Return: Student Entity
- DLHE Return: Survey Entity

HESA Validation Errors

To run the Create Extract process for records with validation errors:

1. Use the File Parser utility to import the errors, reported by the HESA Validation Kit, into a staging table (PS_SSR_HE_VAL_STG)
2. Run the Create Extract process just for those records with validation errors. You must select at least one of the Validation Errors Only check boxes for the process to select error records from the PS_SSR_HE_VAL_STG table.
3. Use the Extract Data page to review the extract records with errors.

Note. You should ensure that all previous validation error records, including the header record, have been processed and deleted from the validation staging table before importing a new validation errors file to the staging table using the File Parser process.

Using File Parser to import HESA Validation Kit errors

When you use the HESA Validation Kit to process an XML file, the kit reports errors with an option to save the error details as a text (.txt) file. To import the records from the text file into the PS_SSR_HE_VAL_STG staging table, you can use File Parser process. For more information about setting up and running the File Parser process, refer to the File Parser PeopleBook chapter:

See [Using the File Parser Process]Using the File Parser Process.

Note that the Field Conversion Definition setup is required only if the file data needs to be converted before inserting into the staging table. Therefore, this setup is not required for HESA validation error processing.

The following is an example of the context definition setup for HESA Validation error processing:

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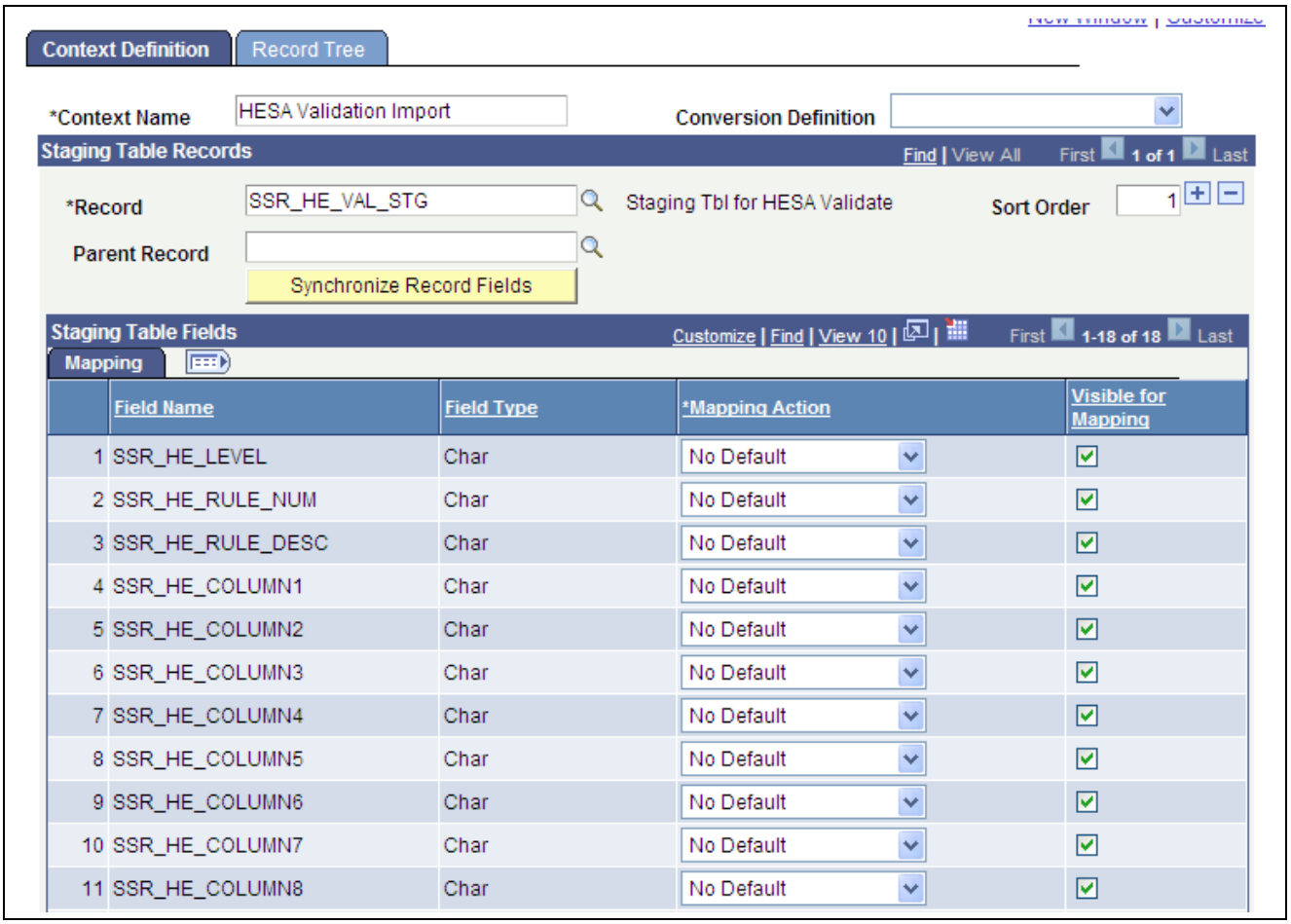
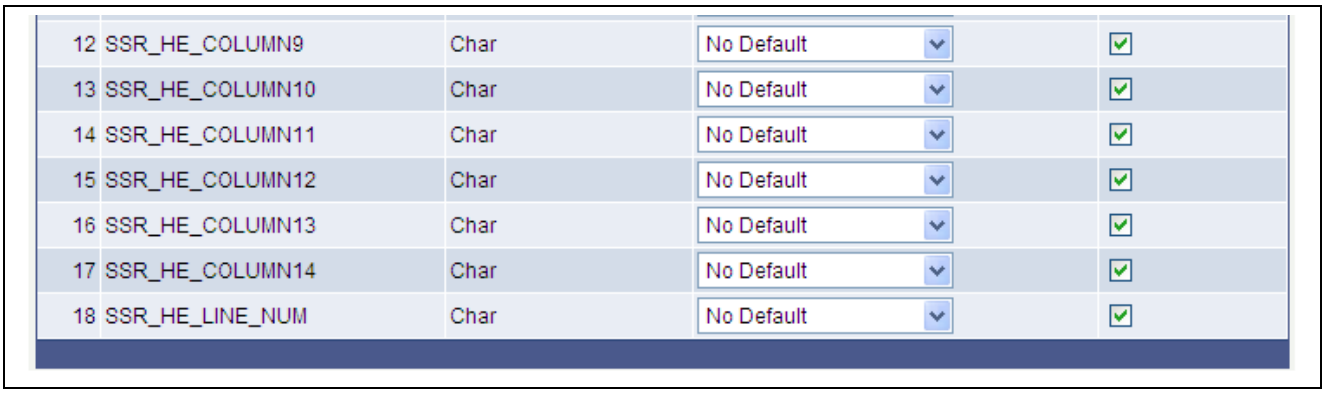


Context Definition setup for HESA error processing (1 of 2)



Context Definition setup for HESA error processing (2 of 2)

Click the Refresh Layout Tree link on the Record Tree page to view the staging table (SSR_HE_VAL_STG) that holds the imported validation errors. The following is an example of the Record Tree page for SSR_HE_VAL_STG:

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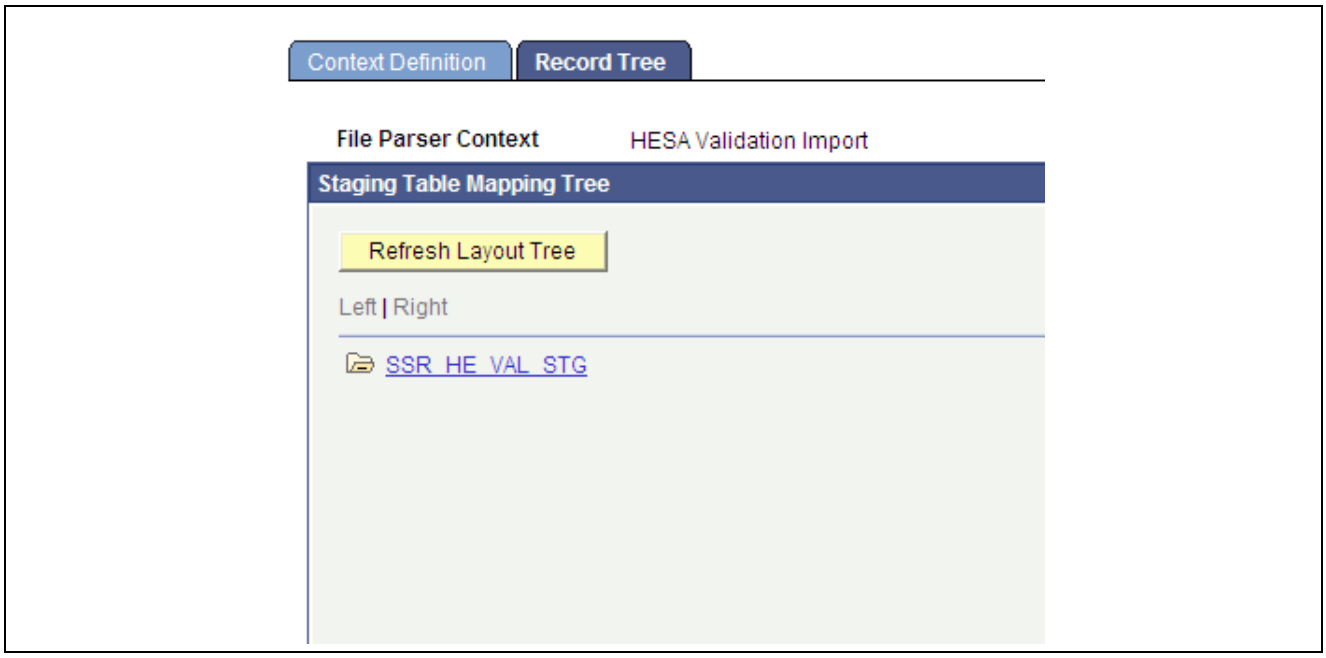
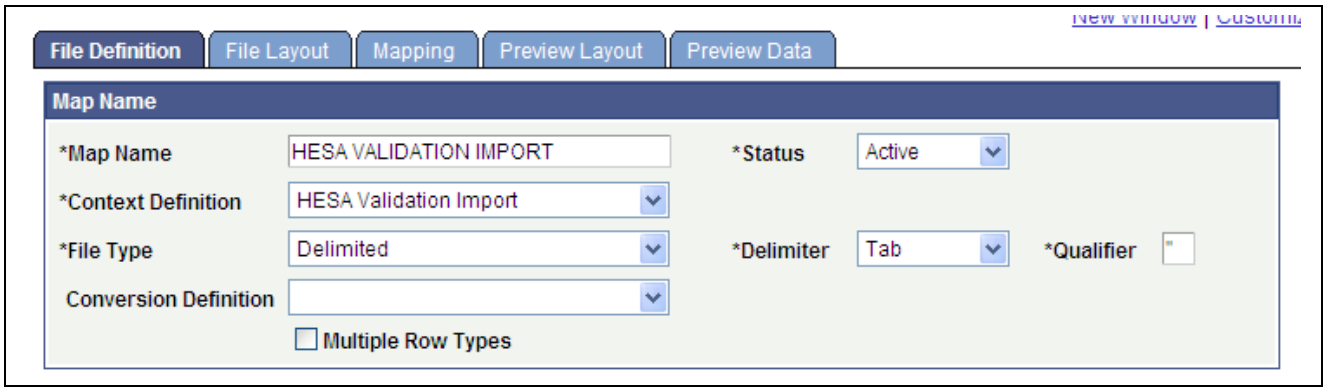


Record Tree page for SSR_HE_VAL_STG

The PeopleSoft system delivers an example definition that includes the possible validation error values that you can import:



Example of a File Definition page

The delivered definition is based on an assumed error file structure:

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	*Sort Order	*File Field Name	Field Number	Field Type
1	10	Level	1	Character
2	20	Rule number	2	Character
3	30	Rule description	3	Character
4	40	COURSEID	4	Character
5	50	SBJCA	5	Character
6	60	MODID	6	Character
7	70	MODSBJ	7	Character
8	80	COSTCN	8	Character
9	90	OWNSTU	9	Character
10	100	HUSID	10	Character
11	110	OWNINST	11	Character
12	120	NUMHUS	12	Character
13	130	QUALSBJ	13	Character
14	140	QUALTYPE	14	Character
15	150	QUAL	15	Character
16	160	UOA2008	16	Character
17	170	Line Number	17	Character

An example of the error file structure set up on the File Layout page

The header row for the file would contain the field names, indicated in the preceding example, without the Line Number.

You can copy an existing File Mapping Definition (Set Up SACR, System Administration, Utilities, File Parser, Copy File Map Definition) and then edit the copied version to create different mappings that match the fields in the error file.

Map the key fields of COURSEID, MODID, and OWNSTU to a staging table column if the values for the fields are provided in the errors file. Also, map the Level, Rule Number, and Rule Description values. The following is an example of the Mapping page with the mappings for these fields:

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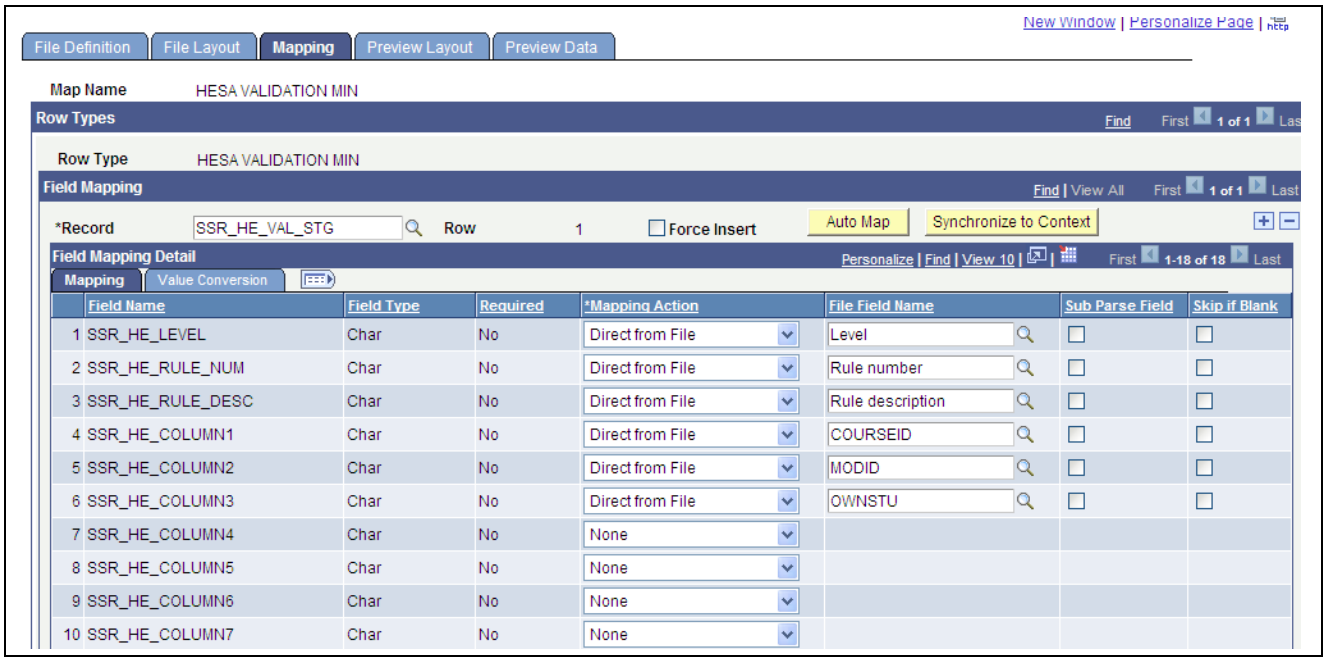
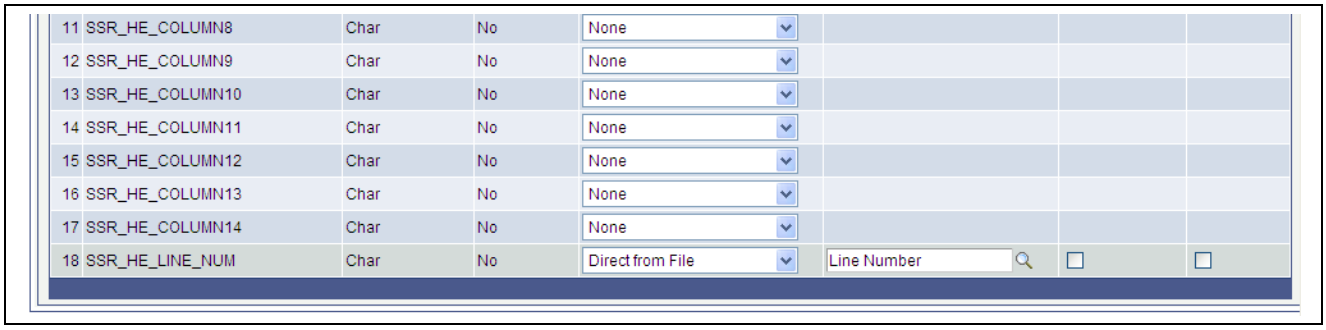


Mapping for the minimum fields (1 of 2)



Mapping for the minimum fields (2 of 2)

To process the staging table records, the Create Extract process does not rely on values existing in a particular column but the process will select the key COURSEID, MODID and OWNSTU values based on the header row value for the column in the error file. Therefore, you must include the header row in the error file being imported.

Other than the key and Level, Rule Number and Rule Description values, you can map the remaining fields to import the full details of the errors into the staging table record. This step is optional because the non-key values are not required for the subsequent processing of the staging table records by the Create Extract process.

This is the mapping for the full Student return error file:

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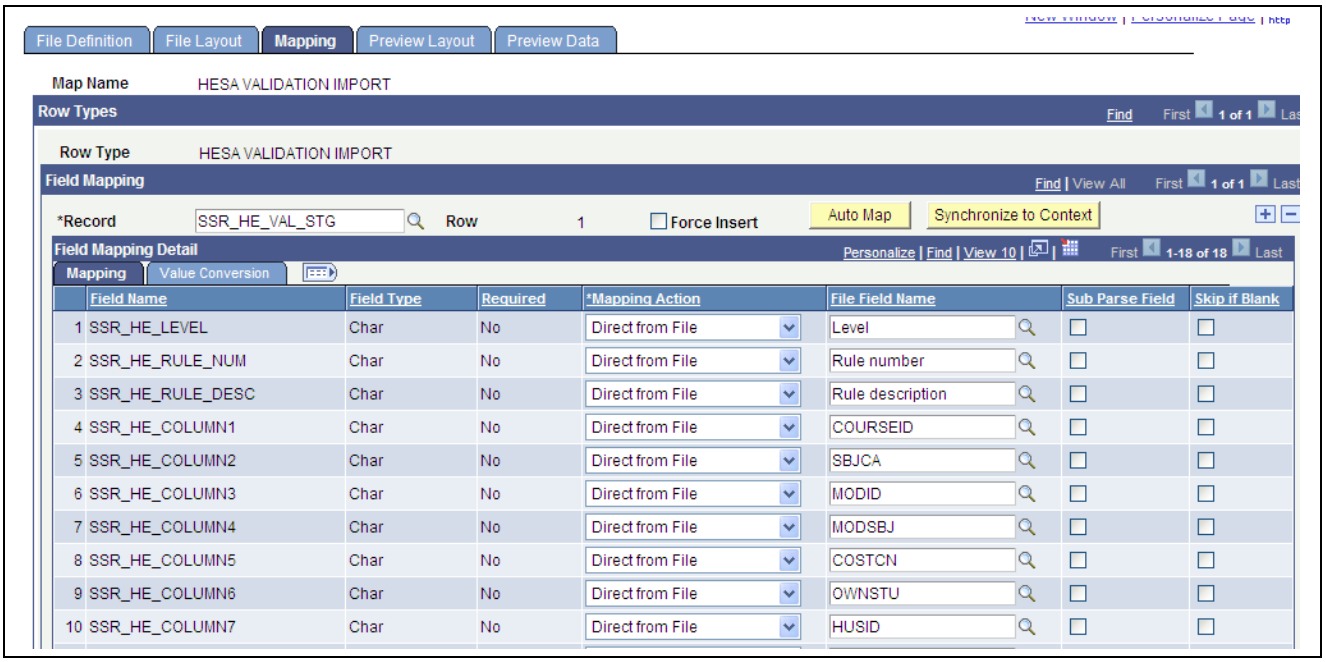
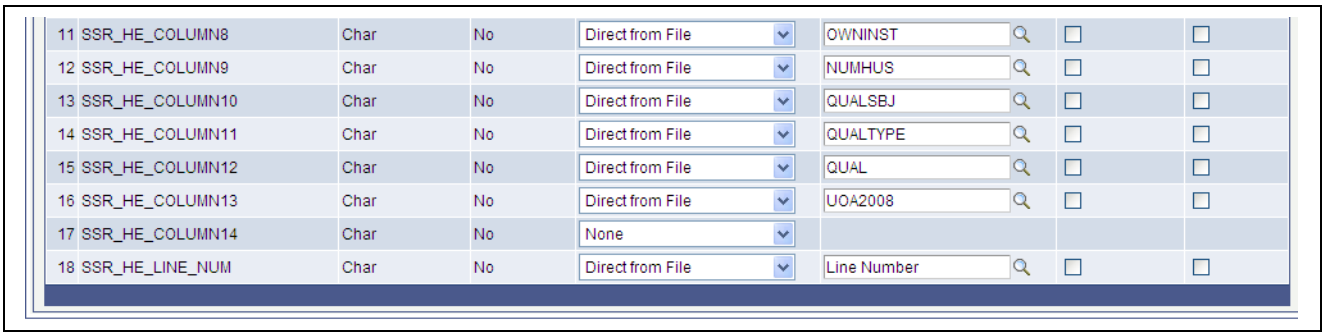


Mapping for the full error file (1 of 2)



Mapping for the full error file (2 of 2)

As with the Student return, for the ITT return, you must map the Level, Rule Number and Rule Description values along with the key OWNSTU value. The File Parser process uses these mappings to identify the extract records that are to be re-processed by the Create Extract process.

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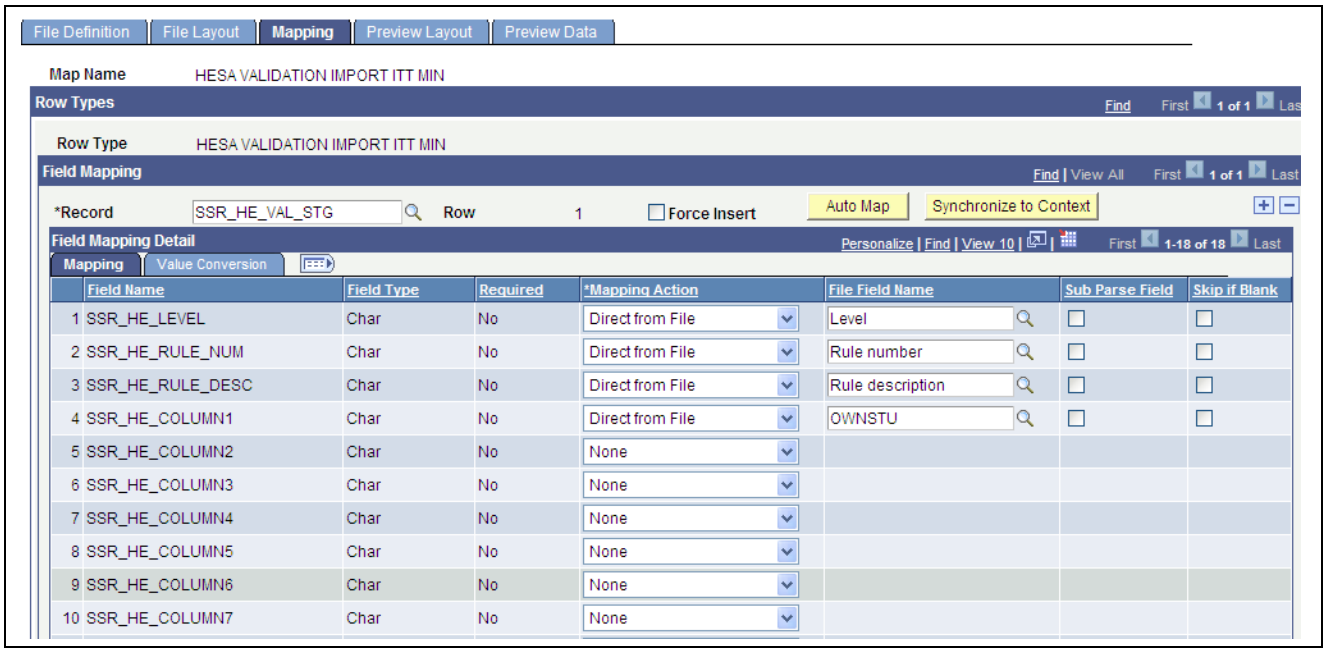
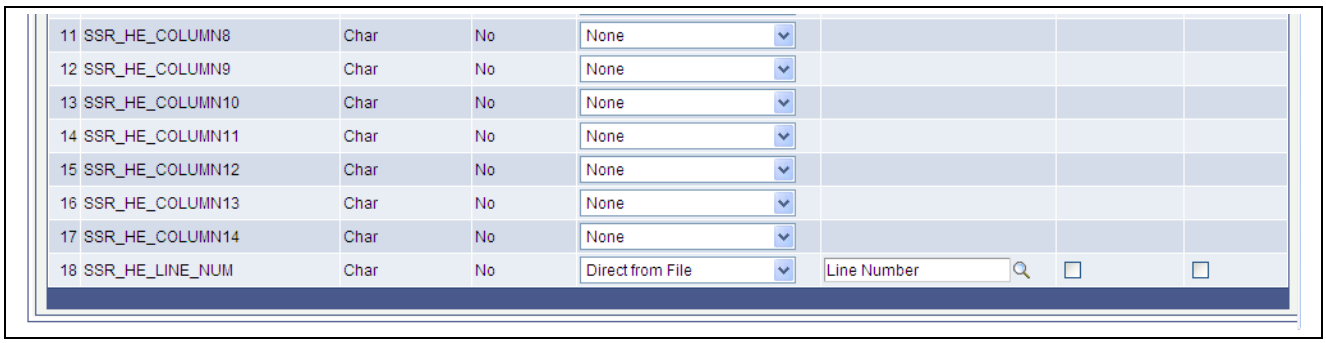


Mapping for the minimum fields — ITT (1 of 2)



Mapping for the minimum fields — ITT (2 of 2)

This is the mapping for the full ITT error file:

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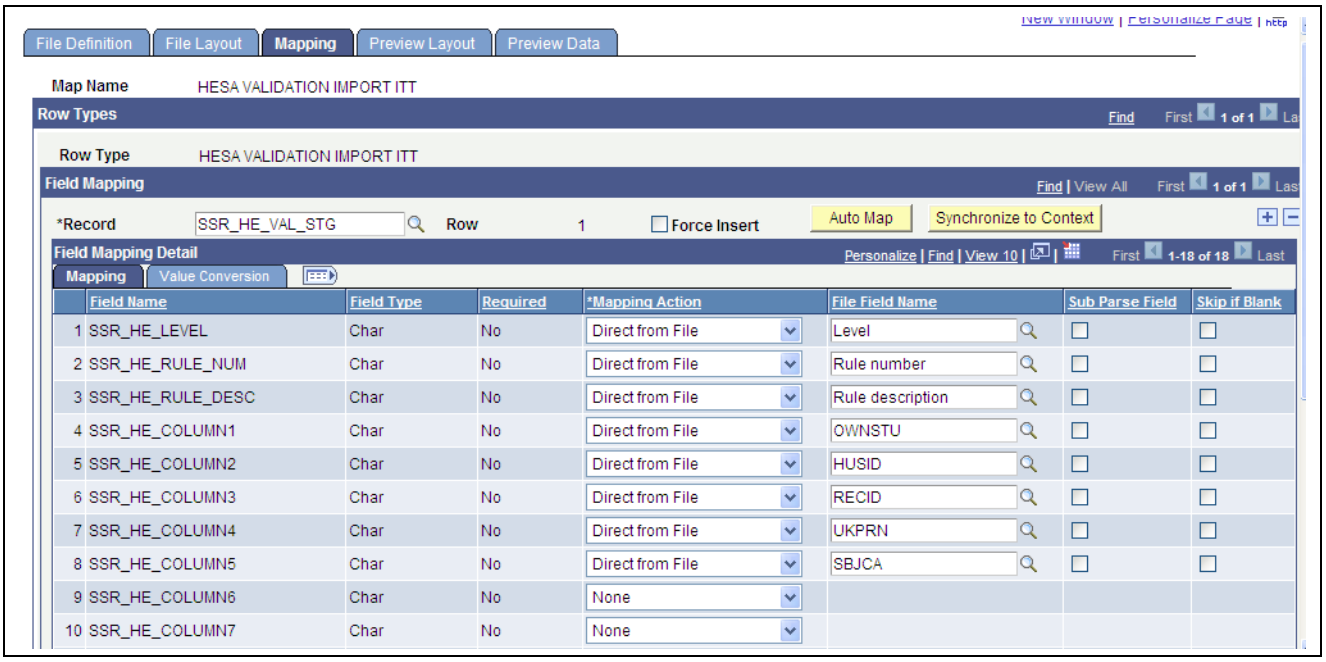
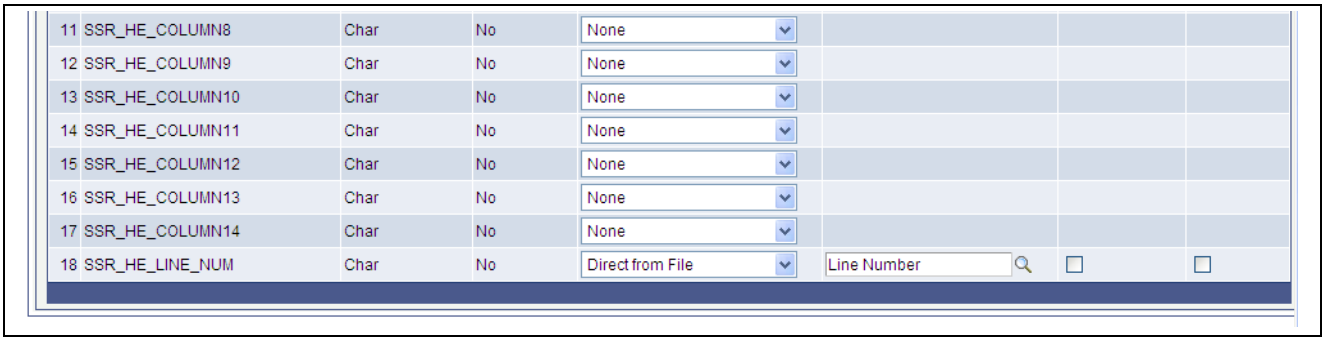


Mapping for the full error file — ITT (1 of 2)



Mapping for the full error file — ITT (2 of 2)

On the Preview Data page, you can attach an error file and generate a preview based on the first row in the error file. This lets you check whether the values will populate the correct columns in the staging table. The following is an example of the Preview Data page:

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Example of the Preview Data page

In the preceding example, note that because the header row does not included a label for Line Number that value is blank in the preview.

Reviewing the Extract Data

Access the extract data pages (Records and Enrollment, HESA Reporting, Extract Data).

Use the Institution Extract Data, Module Extract Data, Course Extract Data, Student Extract Data, and Instance Extract Data pages to review the Student return extract data.

Use the Institution Extract Data and Provision Extract Data pages to review the Aggregate Offshore return data.

Use the Institution Extract Data and ITT Extract Data pages to review the ITT return data.

Use the DLHE Extract Data page to review the DLHE return data.

Bundle 28

New fields have been added to the Course Extract Data, Module Extract Data, Student Extract Data and Instance Extract Data pages. Refer to the updated "(GBR) HESA Field Derivation" appendix in CS_Bundle_28_Student_Records_9.0.pdf for information on which new HESA field and entity derivations have been introduced with Bundle 28.

The following example shows an extract data page:

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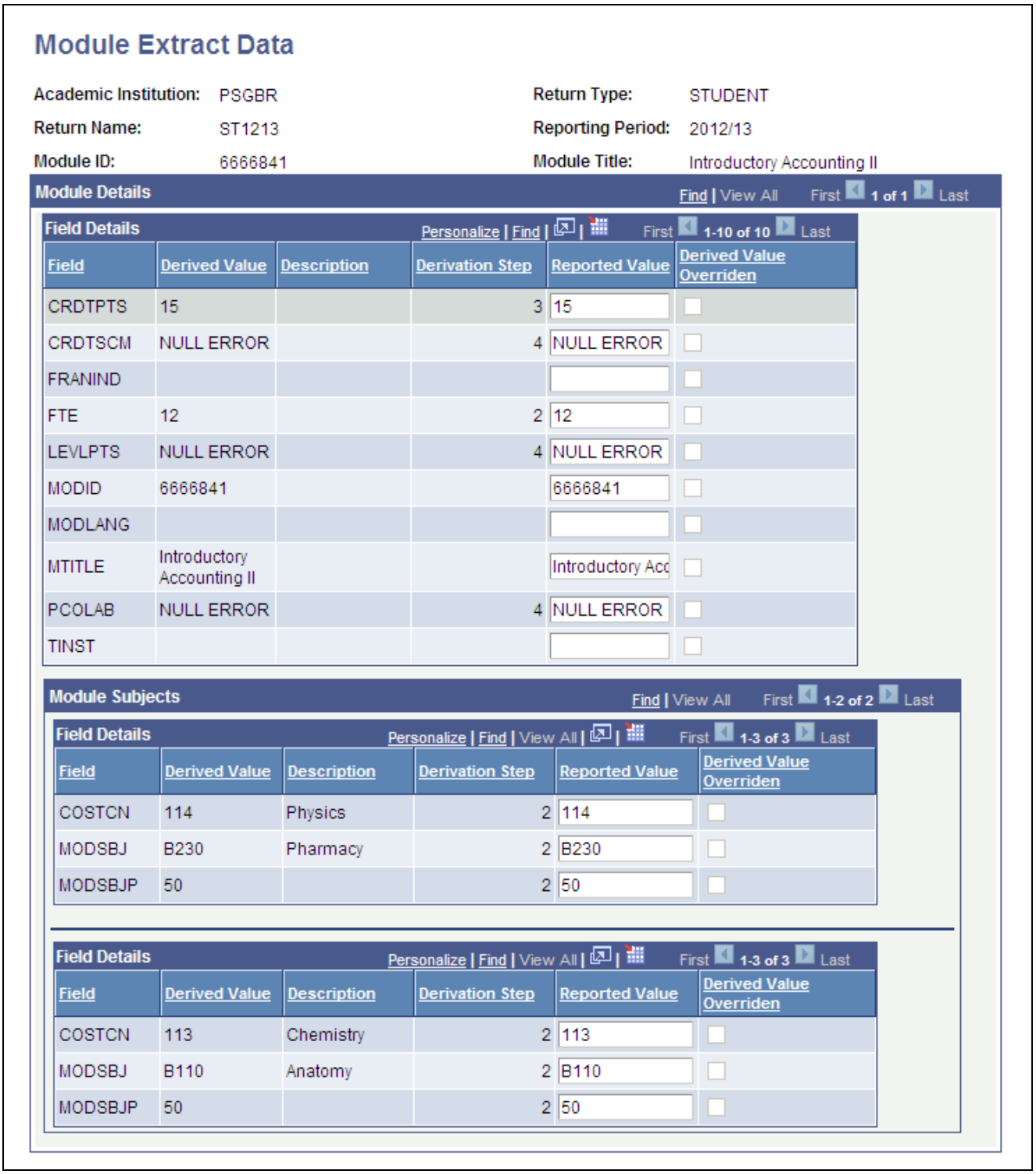

Module Extract Data

Academic Institution: PSGBR
Return Type: STUDENT
Return Name: ST1213
Reporting Period: 2012/13
Module ID: 6666841
Module Title: Introductory Accounting II

Module Details — Find | View All — First 1 of 1 Last

Field Details — Personalize | Find | — First 1-10 of 10 Last

Field	Derived Value	Description	Derivation Step	Reported Value	Derived Value Overriden
CRDTPTS	15		3	15	
CRDTSCM	NULL ERROR		4	NULL ERROR	
FRANIND					
FTE	12		2	12	
LEVLPTS	NULL ERROR		4	NULL ERROR	
MODID	6666841			6666841	
MODLANG					
MTITLE	Introductory Accounting II			Introductory Acc	
PCOLAB	NULL ERROR		4	NULL ERROR	
TINST					

Module Subjects — Find | View All — First 1-2 of 2 Last

Field Details — Personalize | Find | View All | — First 1-3 of 3 Last

Field	Derived Value	Description	Derivation Step	Reported Value	Derived Value Overriden
COSTCN	114	Physics	2	114	
MODSBJ	B230	Pharmacy	2	B230	
MODSBJP	50		2	50	

Field Details — Personalize | Find | View All | — First 1-3 of 3 Last

Field	Derived Value	Description	Derivation Step	Reported Value	Derived Value Overriden
COSTCN	113	Chemistry	2	113	
MODSBJ	B110	Anatomy	2	B110	
MODSBJP	50		2	50	

Example of an extract data page

You can use the Extract Data pages to override the derived field value. For example, you can enter a different value for ModuleSubject.COSTCN in the Reported Value field and click the Save button. When you click the Save button, the Derived Value Overridden check box appears as selected for ModuleSubject.COSTCN. The Extract Data pages also display the sequence number of the step that derives the field value. The (GBR) HESA Field Derivation appendix in this PeopleBook describes the steps that the Creates Extract process performs to derive field values.

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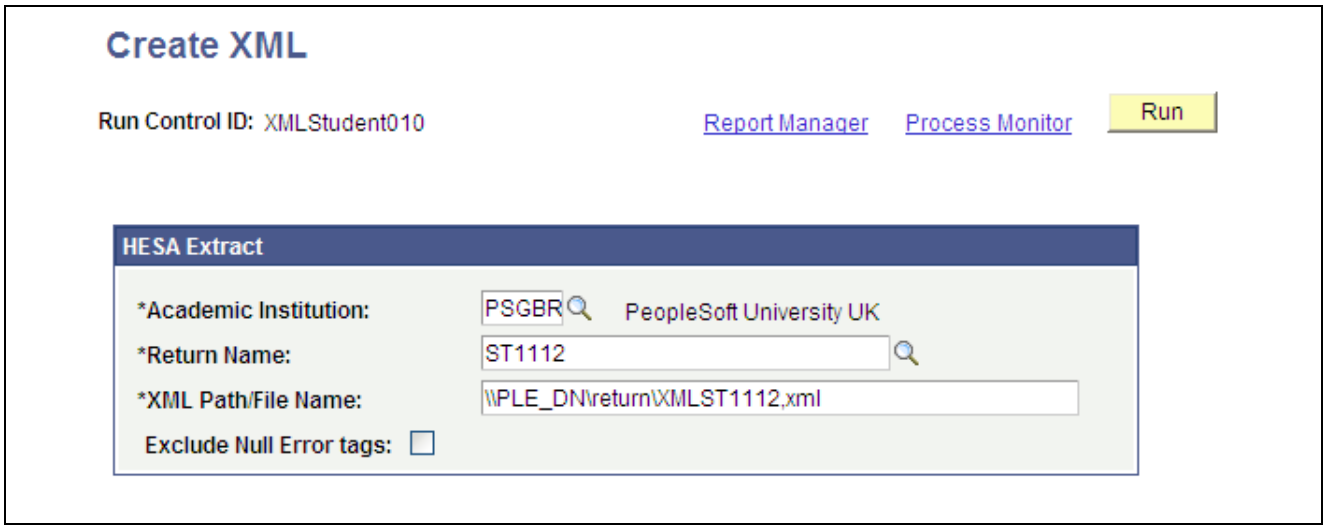
You can review only the most recent data for a particular return. When you run the Create Extract process, the system automatically deletes any data previously generated for a return.

Null Error check box on the Instance Extract Data page

The Create Extract process selects this check box if any field in the student's extract data has a *NULL ERROR* value. The Null Error check box is applicable for only Student return.

Creating an XML Return File

Access the Create XML page (Records and Enrollment, HESA Reporting, Extract Processing, Create XML).
Bundle 28
The process has been updated to add the new fields and entities for the Student return 2012/13. In addition, a new check box – Exclude Null Error tags – has been added to the page.



Create XML page

After you review the return data using the Extract Data pages, use the Create XML page to run the Create XML File process.

Return Name Enter the return that you want to process.

XML Path/File Name Enter the file path and file name that you want the system to use to save the XML file. You must enter a valid directory path that maps to a folder with appropriate Read/Write permission. If you cannot locate such a folder, consult your system administrator.

Exclude Null Error tags Select this check box if you want the process to exclude fields with a Reported Value of *NULL ERROR* from the XML file.

If you do not select this check box, then the process includes the fields with Reported Value of *NULL ERROR*.

The Create XML process automatically excludes from the XML file:

- A field that does not have a value (null).
- An entity in which all fields have no values.

After running the process, you can use the View Log/Trace page to download the generated XML file to your local machine.

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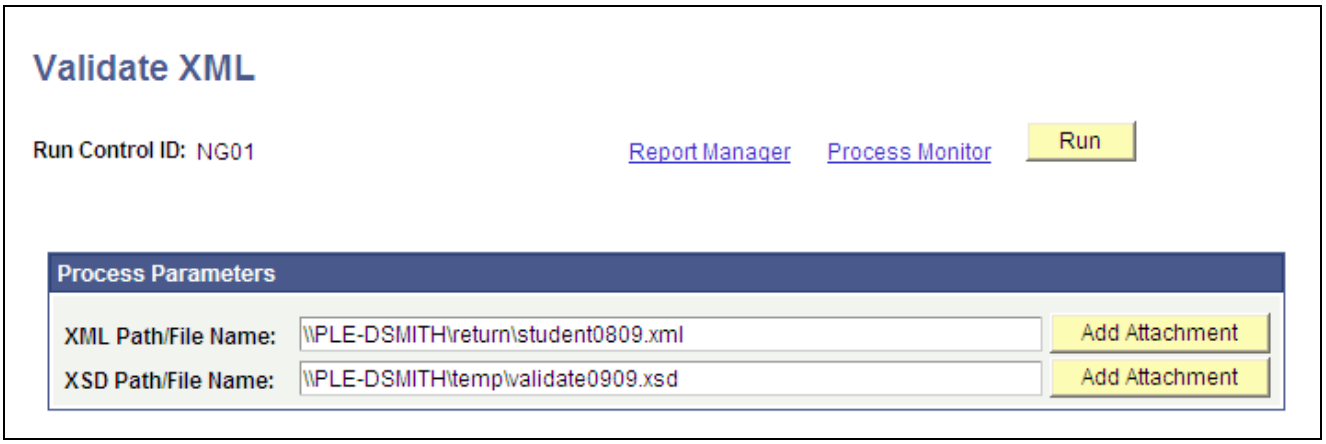
Validating an XML Return File

Access the HESA Validate XML page (Records and Enrollment, HESA Reporting, Extract Processing, Validate XML).



HESA Validate XML page

Run the HESA Validate XML process to validate the XML file generated by the Create XML File process. The HESA Validate XML process validates against the schema, it does not validate against the HESA business rules. You can validate the XML file against both the schema and the HESA business rules by using the HESA Validation Kit. After you run the HESA Validate XML process, refer to the log file to check for any validation errors.

XML Path/File Name Enter the path and file name of the XML file that you want to validate.

Add Attachment Click to browse to the XML file that you want to validate. You can browse your local drive and select a file.

Note. The upload process creates a files subdirectory to store and process the XML file. This subdirectory is created in the server directory location that is specified in the PS_SERVDIR system parameter in the Application Server/Process Scheduler configuration file psappsrv.cfg/psprcs.cfg. Ensure that PS_SERVDIR is set up with an appropriate value in the configuration file and that users have the correct permission to access the files subdirectory.

XSD Path/File Name Enter the complete path and file name of the XSD file. The process uses the XSD file to validate your XML file.

The XSD file is available from the HESA website.

Note. You must place the two related XSD files for CodeLists and DataTypes in the same directory as the XSD file being used for the XML validation. For example, if C08051.xsd is being used to validate the XML file and you have stored the C08051.xsd in /bur/hesa/psoft/shared/, then you must place C08051DataTypes.xsd and C08051CodeLists.xsd in the same directory /bur/hesa/psoft/shared/ because C08051.xsd references these two files.

Add Attachment Click to browse to the XSD file. You can browse your local drive and select a file.

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Note. The upload process creates a files subdirectory to store and process the XSD file. This subdirectory is created in the server directory location that is specified in the PS_SERVDIR system parameter in the Application Server/Process Scheduler configuration file psappsrv.cfg/psprcs.cfg. Ensure that PS_SERVDIR is set up with an appropriate value in the configuration file and that users have the correct permission to access the files subdirectory.

Bundle 28
Documentation-only update — no code change:
The following note has been added:

Note. If you are adding an XSD file using the Add Attachment button you must also ensure that any related XSD files (for example, Code Lists and Data Types) have also been added to the same location using the Add Attachment button.

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