

Degree Plan (Tree) – Database Documentation

Entity

Degree Plan (Tree)

The Degree Plan (Tree) entity defines the academic requirements a student must complete to earn a specific degree, major, minor, concentration, or certification. These requirements include required and elective courses, credit hour thresholds, GPA requirements, and other academic milestones. Degree plans provide the structural rules used by advising and degree audit processes to evaluate student progress toward completion.

Related Entities

The Degree Plan entity is related to the following business entities:

- **Programs**
Degree plans define the curriculum requirements that support academic programs.
 - **Courses**
Courses are the primary components of degree requirements.
 - **Student**
Students follow degree plans to guide course selection and graduation progress.
 - **Degree Audit**
Degree audits evaluate student completion of degree plan requirements.
 - **Student Goals**
Academic objectives that may influence degree planning.
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Key Tables

ADV_TREE_TABLE

Table Description

The ADV_TREE_TABLE defines the hierarchical structure of academic requirements that make up a degree plan. Each record represents a node in a requirement tree, which may

represent a root requirement, course requirement, elective group, or other academic requirement. The structure supports recursive relationships to allow complex requirement logic.

Key Columns

Tree Structure Columns

- **ADV_TREE_YR_CDE**
Academic year the advising tree is valid.
- **ADV_TREE_REQ_CDE**
Unique identifier for the root requirement of the advising tree.
- **ADV_REQ_CODE**
Unique identifier for a requirement node. Used to join to ADVISING_REQ_CODES.
- **REQ_CLUSTER_CDE**
Requirement classification.

Key Column Values (REQ_CLUSTER_CDE):

- **R** – Root requirement
- **C** – Course requirement
- **CC** – Cumulative course requirement
- **G** – Group requirement
- **O** – Informational requirement
- **CT** – Course total requirement
- **ADV_REQ_TYPE**
Institution-defined advising requirement type.

Hierarchical Relationship Columns

- **PAR_ADV_REQ_CDE**
Parent requirement code.
- **SEQ_NUM**
Sequence number of the node.

- **PAR_SEQ_NUM**
Parent sequence number.
 - **REQ_ANCESTRY**
Encoded hierarchical path.
 - **SUB_REQ_CDE**
Nested sub-requirement code.
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Logical Evaluation Columns

- **GRP_REL_TYP**
Logical relationship between sibling requirements.
- **PAR_GRP_REL_TYP**
Logical relationship to parent requirement.
- **REQUIRED_FLAG**
Indicates whether the requirement is mandatory.
- **REUSE_STS**
Indicates whether a requirement may be reused.

Key Column Values (REUSE_STS):

- **Y** – Requirement may be reused
 - **N** – Requirement may not be reused
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Requirement Constraints

- **MIN_HRS**
Minimum credit hours required.
- **MAX_HRS**
Maximum credit hours allowed.
- **MIN_CNT**
Minimum number of required items.
- **MAX_CNT**
Maximum number of items allowed.

- **GPA_NEEDED**
Minimum GPA required.
 - **QUAL_PTS_NEEDED**
Minimum quality points required.
 - **CREDIT_HRS**
Credit hours awarded.
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Priority and Display Columns

- **ADV_PTY_1**
Primary advising priority.
- **ADV_PTY_2**
Secondary advising priority.
- **PRT_ORDER**
Display order.
- **DISPLAY_STS**
Display indicator.

Values:

- Y – Display
 - N – Do not display
 - **PRT_STS**
Print indicator.
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Other Important Columns

- **APPID**
Unique identifier for the advising tree requirement record.
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Columns No Longer In Use

- PAR_CNT_1
- PAR_CNT_2

- PAR_SHOW_HIDE
- SHOW_HIDE_REQ_STS
- REQ_LOCKED
- REQ_MET
- REQ_USED
- ADV_WRKFIL_REC_TYP
- HRS_EARNED
- QUAL_PTS
- GPA_CUR
- ACTUAL_CNT
- HRS_ATTEMPTED
- HRS_IN_PROGRESS
- YR_CDE
- TRM_CDE
- STUD_SEQ_NUM
- GRADE_SCALE_CDE
- CREDIT_TYPE_CDE
- GRADE_CDE
- OVRID_STS
- REQ_ERR_CDE
- REF_REQ_CDE
- TRANSACTION_STS
- ADV_TRANS_STS
- UPDATE_CDE
- UPDATE_TYPE
- CRS_TITLE

- CRS_CDE
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Relationships to Other Tables

- **ADVISING_REQ_CODES**
Joined using ADV_REQ_CODE to obtain requirement definitions.
 - **REQ_TYPE_CLUSTERS**
Joined using ADV_REQ_TYPE and REQ_CLUSTER_CDE to classify requirement logic.
 - **AdvTreeTableStatus**
Tracks lifecycle status of advising trees.
 - **DEGREE_AIM_XREF**
Links requirement trees to degree programs.
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ADVISING_REQ_CODES

Table Description

The ADVISING_REQ_CODES table defines reusable advising requirements used to build degree plans. These requirements include course requirements, GPA requirements, and credit thresholds that form the building blocks of degree plan trees.

Key Columns

- **ADV_REQ_CODE**
Unique identifier for the advising requirement.
- **ADV_REQ_DESC**
Description of the requirement.
- **REQ_CLUSTER_CDE**
Requirement cluster classification.

Key Column Values (REQ_CLUSTER_CDE):

- **R** – Root
- **C** – Course
- **CC** – Cumulative course
- **G** – Group

- **CT** – Course total
- **O** – Other
- **ADV_REQ_TYPE**
Requirement classification type.
- **RE_USE_FLAG**
Indicates whether a requirement may satisfy multiple requirements.

Key Column Values (RE_USE_FLAG):

- **Y** – Reusable
 - **N** – Not reusable
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Requirement Rules

- **HRS_NEEDED**
Required credit hours.
 - **MAX_HRS**
Maximum credit hours allowed.
 - **TOTAL_CNT_NEEDED**
Total required item count.
 - **MAX_CNT**
Maximum allowed item count.
 - **QUAL_PTS_NEEDED**
Required quality points.
 - **GPA_NEEDED**
Required GPA.
 - **ADV_PTY_1**
Requirement priority.
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Other Important Columns

- **APPID**
Unique identifier.

- **COMMENT_TXT**
Internal notes.
 - **DISPLAY_STS**
Display indicator.
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Columns No Longer In Use

- DFLT_CRS_CDE
 - DFLT_CRS_ORG_CDE
 - AIM_LABEL
 - LINK_LVL
 - LINK_EXPANSION_LVL
 - DFLT_TO_PROFLE_FL
 - GRADE_SCALE_CDE
 - CREDIT_TYPE_CDE
 - GRADE_CDE
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Relationships to Other Tables

- **ADV_TREE_TABLE**
Provides requirement definitions used in advising trees.
 - **DEGREE_AIM_XREF**
Associates requirements with academic programs.
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DEGREE_AIM_XREF_MASTER

Table Description

The DEGREE_AIM_XREF_MASTER table links academic programs (majors, minors, concentrations, certifications) to academic years and degrees. This table enables assignment of advising trees to specific academic programs.

Key Columns

- **ADV_TREE_YR_CDE**
Academic year.
- **DEGR_CDE**
Degree code.
- **ELEMENT_TYPE**
Program type.

Key Column Values (ELEMENT_TYPE):

- **MAJ** – Major
 - **MIN** – Minor
 - **CON** – Concentration
 - **CER** – Certification
 - **ELEMENT_CDE**
Program identifier.
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Other Important Columns

- **APPID**
Unique identifier.
 - **GOID**
Global identifier.
 - **SHOW_ON_WEB**
Indicates web visibility.
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Relationships to Other Tables

- **ADV_TREE_TABLE**
Links program definitions to advising trees.
- **DEGREE_AIM_XREF**
Associates specific requirements with programs.
- **DegreeAimXrefMasterStatus**
Tracks degree plan lifecycle status.

- **MAJOR_MINOR_DEF**
Links programs to official program definitions.
 - **CONCENTRATION_DEF**
Links concentration definitions.
 - **CERTIFICATION_DEF**
Links certification definitions.
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DEGREE_AIM_XREF

Table Description

The DEGREE_AIM_XREF table maps academic programs and degrees to specific advising requirement trees that define curriculum requirements.

Key Columns

- **ADV_TREE_YR_CDE**
Academic year.
- **DEGR_CDE**
Degree code.
- **ELEMENT_TYPE**
Program type.
- **ELEMENT_CDE**
Program identifier.
- **AIM_LABEL**
Degree plan label.
- **ADV_REQ_CODE**
Root requirement identifier linking to ADV_TREE_TABLE.
- **PRIMARY_AIM**
Indicates primary degree aim.

Key Column Values (PRIMARY_AIM):

- **Y** – Primary program
- **N** – Secondary program

Other Important Columns

- **APPID**
Unique identifier.

Relationships to Other Tables

- **ADV_TREE_TABLE**
Links advising trees to programs.
- **DEGREE_AIM_XREF_MASTER**
Provides program definitions.
- **MAJOR_MINOR_DEF**
Defines academic programs.
- **CONCENTRATION_DEF**
Defines concentrations.
- **CERTIFICATION_DEF**
Defines certifications.

AdvTreeTableStatus

Table Description

The AdvTreeTableStatus table tracks the lifecycle status of advising trees used in degree plans.

Key Columns

- **ADV_TREE_TABLE_APPID**
Foreign key to ADV_TREE_TABLE.
- **AdvTreeTableStatusDefAppID**
Status identifier.

Key Column Values (AdvTreeTableStatusDefAppID):

- **-1** – Building Trees
- **-2** – Preparing for Plans

- **-3** – Ready for Degree Assignment
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Other Important Columns

- **APPID**
Unique identifier.
 - **PartyAppID**
Responsible party.
 - **StartDate**
Status start date.
 - **EndDate**
Status end date.
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Relationships to Other Tables

- **ADV_TREE_TABLE**
Tracks advising tree status.
 - **ADVTreeTableStatusDef**
Provides status descriptions.
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DegreeAimXrefMasterStatus

Table Description

The DegreeAimXrefMasterStatus table tracks lifecycle statuses of degree plans as they move through planning and availability stages.

Key Columns

- **DegreeAimXrefMasterAppID**
Foreign key to DEGREE_AIM_XREF_MASTER.
- **DegreeAimXrefStatusDefAppID**
Status identifier.

Key Column Values (DegreeAimXrefStatusDefAppID):

- **-1** – Not ready for plan

- **-2** – Ready for plan
 - **-3** – Has plan
 - **-4** – No plan required
 - **-5** – No status selected
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Other Important Columns

- **APPID**
Unique identifier.
 - **PartyAppID**
Responsible party.
 - **StartDate**
Status start date.
 - **EndDate**
Status end date.
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Relationships to Other Tables

- **DEGREE_AIM_XREF_MASTER**
Tracks degree plan status.
 - **DegreeAimXrefStatusDef**
Provides status descriptions.
 - **Party**
Identifies responsible user.
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