

## Ph.D. Pipeline Dashboard

<https://oira.wayne.edu/dashboard/graduate-school/phd-pipeline>

This dashboard allows users to visualize and sift through the previous six years of graduation data at the doctoral level, so that they can better understand the recent trends in doctoral graduates both broadly and at a granular level.

All of the data are drawn from IPEDS (the Integrated Post-Secondary Education Data System), which is comprised of annual surveys conducted by the U.S. Department of Education's National Center for Education Statistics (NCES). All colleges and universities receiving federal funds must complete these surveys.

The data behind the dashboard is primarily organized by Classification of Instructional Program (CIP) Codes (see: <https://nces.ed.gov/ipeds/cipcode/>), a taxonomic scheme developed by NCES.

There are five main pages, all of which can be accessed via the navigation bar:

1. **Degrees Granted by Ethnicity and Gender** offers a breakdown of degrees granted by race/ethnicity and gender, aggregated over the years selected.
2. **Geographic Distribution** provides a dynamic heatmap and a breakdown of degrees granted by state.
3. **Fields by Institution** displays degrees awarded by institution broken down by ethnicity. This page will be most useful for those attempting to identify which universities have a track record of developing minority Ph.D. candidates.
4. **Trends Over Time 1** provides six years of trend data by gender and can be filtered by race/ethnicity.
5. **Trends Over Time 2** is similar to the previous page, but it provides six years of trend data with a year by year breakdowns of degrees awarded by ethnicity.

*Essential features on every page:*

- **Filter by CIP** – There are three filters on every page that allow the user to narrow down fields to the most specific level possible. "Broad CIP Category" provides the 2-digit CIP field list, "Second Level CIP Category" provides the 4-digit CIP field list, and "Narrowest CIP Category" provides the 6-digit CIP field list.
- **Filter by Wayne State College / Program / Major** – Each WSU major and program has at least one corresponding CIP code. Selecting any of the options in this section will automatically apply a filter to only show applicable CIP codes. Selecting a school or college will filter by all CIP codes that are contained within that school or college.

*Two filters are set by default, but can be modified:*

- **Type of Institution** – For-Profit institutions (such as University of Phoenix) are excluded.
- **Award Level** – Only Research/Scholarship degrees are shown. Other doctorates, such as professional practice doctorates (MDs, JDs, etc.) are excluded.

*Other pertinent points:*

- All filters will persist across pages – selections made on the first page will automatically apply to all other pages in the report.
- Every dropdown box allows users to make multiple selections. Further, each dropdown box can be reset by clicking on the eraser icon located to the upper right of the dropdown box.
- Refreshing the page will reset the dashboard to its original state.