

# Sample Math Pathways List

Developed by MDRC in collaboration with the Dana Center

**Purpose:** This resource accompanies the *Guide to Aligning Mathematics Pathways to Programs of Study*. It can also be used as a separate resource.

The *Sample Math Pathways List* on the next page shows how a variety of institutions aligned math pathways with programs of study; it is an example of how programs of study might be categorized. Each column in the table can be viewed as groups of programs with similar core mathematics requirements. Each pathway list is not comprehensive, and the math pathways assigned to majors differ among schools. (For example, sociology students might be required to take Statistics at one college, but are allowed to take Quantitative Reasoning at another.)

The list is intended for use as a reference, as each school context is unique. Information was compiled from the Dana Center's *Mathematics Pathways Transfer Inventory*, with specific focus on math requirements at several four-year colleges and community colleges in Texas that are well aligned with the math pathways model.

**Users:** Administrators, advisors, math faculty

### Sample Math Pathways List

Algebra pathway	Quantitative Reasoning (QR) pathway	Statistics pathway
Architecture Astronomy Environmental Science Psychology (at some colleges) Biochemistry Biology Business degrees Chemistry Computer Science Economics Engineering degrees Mathematics Physics Some Education degrees	Administrative Asst. Specializations Anthropology Applied Arts and Sciences Applied Behavior Analysis Applied Technology and Performance Improvement Art History Automotive Technology Broadcast Media Classics Communications Computer Programming Culinary Arts Dance Design: Fashion, Interior Development and Family Studies Digital Retailing Emergency Admin and Planning English [Ethnic Group] Studies French German Heating, AC, and Refrigeration Tech History Hospitality Management Information Science/Technology International Studies Journalism* Linguistics Music: Composition, General, Jazz, Theory, Performance Paralegal Pharmacy Technician* Philosophy Psychology (at some colleges) Radio, TV, Film Recreation and Leisure Studies Rehabilitation Studies Religious Studies Some education majors Spanish Speech Communication Studio Arts Surgical Technician Theater Urban Studies Visual Arts	Archaeology Accounting Specialist or Tech Criminal Justice Dental Hygiene Ecology for Environmental Science Environmental Studies or Technology Geography GIS Government** Health Promotion** Health Studies** Health Information Technology** Human Resource Development Industrial Technology Kinesiology Management Medical Laboratory Sciences Merchandising Nursing Political Science Psychology Sociology Social Sciences Social Work** Speech-Language Pathology and Audiology

\* Degree/major math requirement may be Statistics.

\*\* Degree/major math requirement may be QR.