



Exploratory Tracks, Affiliated Majors, and Possible Careers



Math, Data Science & Business

Overview: This track is attractive to people who best make sense of the world and information quantitatively. That is, they consider themselves to be “numbers people.” That doesn’t mean that all of the majors and careers in this track are completely centered on applying high-level math skills, but that math understanding may come naturally to you. You’ll begin to notice some overlap with majors in certain tracks. For example, both Communication and Marketing are included in this track. Although there can be a distinct element of creative expression in those fields, there are also quantitative underpinnings within them as well.

Possible Characteristics: *(It’s likely that not all of these characteristics will apply to you, but if a majority describe your skills and interests, this track may be a good match for you.)*

Understanding of and interest in commercial enterprise at both conceptual (big picture) and tactical (task management) levels

Quantitative data manipulation and applying research-based solutions in commerce and technological settings

Using data and mathematical principles to solve problems and pose theoretical questions

Using technology in innovative ways to solve complex problems

Interest in how financial and economic factors affect organizations and society

Majors at UW	Corresponding Careers
Accounting	staff accountant, Certified Public Accountant, accounts payable manager, accounts receivable manager, business manager, business adviser, chartered certified accountant, actuarial analyst,

	forensic accountant, stock broker, management consultant, retail banker, real estate agent/broker
Agricultural Business	ranch/farm appraiser, agricultural policy analyst, ranch/fam manager, crop producer, grain and livestock buyer, market analyst, agricultural banker, quality controller, agricultural plant/business manager, agricultural marketing specialist, agriculture inspector, land management specialist
Agricultural Communication	<i>In Agribusiness:</i> account executive, sales agent, marketing specialist, director of communications, public relations specialist
Business Economics	business economist, market risk analyst, governmental economist, financial advisor
Communication	A degree in Communication is often combined with a minor or concentration to move toward a variety of careers in the business world. <i>Here are a few examples:</i> communication director, advertising, marketing communication, corporate spokesperson, customer service specialist, human resources specialist, customer communication specialist
Computer Engineering	microprocessor designer, hardware component designer/developer, component manufacturing designer, network systems manager/designer, hardware troubleshooter, telecommunications specialist, roboticist, nanotechnologist, artificial intelligence researcher/designer, software application developer
Computer Science	software engineer/developer, multimedia programmer, game designer, application analyst, information systems manager, information systems consultant, data analyst, SEO specialist, UX analyst/designer, web designer/developer, webmaster, network administrator
Economics	public/private/governmental economist, data analyst, financial risk analyst, actuarial analyst, chartered accountant, forensic accountant, financial controller, financial planner, economic researcher/consultant, market researcher
Energy Resource Management: Professional Land Management	surface landman, mineral landman, contract landman, division order analyst, lands management specialist, lease buyer, realty specialist, right-of-way agent, surface land negotiator, legal professions

2 Exploratory Tracks Details and Possible Majors/Careers

Environmental System Science	<i>This interdisciplinary degree can lead to a variety of careers that apply systems concepts to address environmental problems such as air and water cleanliness and the effect of human activity on the environment.</i>
Finance	accounting technician, actuarial analyst, business adviser, company secretary, financial analyst, financial manager, financial planner, loan officer, stockbroker/market analyst
World Languages: French, German, Spanish	<p>A degree in a world language can complement other major fields of study and may lead to a variety of careers in the arts, business, or technology.</p> <p><i>Following are some careers that blend world language study with other fields:</i> translator/interpreter, language analyst, linguist, language-specific customer service representative, international banking services provider, travel/tourism management, corporate technology liaison with international branch offices, international supply chain manager</p>
Geography	soil and plant specialist, water resources specialist, environmental scientist, geophysicist, climate change analyst, meteorologist, atmospheric and space scientist, climatologist, emergency management specialist, forest fire inspector, geotechnical engineer, location analyst for investment, market researcher, real estate appraiser, community organizer, policy consultant, lobbyist, tourism consultant, historic preservationist, urban and regional planner, demographer, public health officer, accredited land consultant, environmental affairs specialist, cartographer and photogrammetrist, civil drafter, digital cartographer, geospatial information scientist and technologist, GIS developer, remote sensing scientist and technologist, geointelligence specialist, radar and sonar technician
Management	product manager, department/function manager, risk manager, social media manager, stockbroker, sustainability consultant, supply chain manager, investment banker, data analyst, business analyst, sales executive, retail manager, entrepreneur, business consultant

3 Exploratory Tracks Details and Possible Majors/Careers

Marketing	sales or promotional representative (industrial, wholesale, financial, advertising, e-commerce), manufacturer representative, customer service, product/brand/strategy manager, data analyst, survey designer/researcher, project manager, personnel management, purchaser, operations specialist, supply manager, social media specialist, human resources manager, recruiter, entertainment/sports agent, publicist, event planner, promoter, sports marketing specialist, insurance sales representative, real estate broker
Mathematics	statistician, data analyst, instructor, higher education administrator, computer programmer, systems developer, network/web administrator, technical support specialist, risk manager/assessor, insurance underwriter, insurance actuary, credit analyst, trust manager, loan officer, consumer/corporate banker, investment banker, researcher (theoretical or applied)
Secondary Education: Math Education	math teacher, algebra teacher, geometry teacher, calculus teacher, trigonometry teacher
Statistics	clinical trial analyst, quality control specialist, operations researcher, survey and methodology designer/analyst, governmental data analyst, biomedical researcher, biostatistician, pharmacologist, product reliability tester, risk assessor, asset and liability manager, financial planner, market researcher, statistical computing specialist, sports statistician, corporate and consumer credit analyst, trust manager, financial analyst, mergers and acquisitions specialist, insurance underwriter, actuary, instructor, researcher