Rady UCSan Diego School of Management



Why consider a master's degree?

- Develop advanced qualifications/skillsets in area of expertise
- Gain professional skills, personal development, and valuable connections with fellow students, academics, and industry experts
- Pursue academic interests in more depth
- Greater employment opportunities some career sectors require or prefer master level applicants
- Promotion, increase in salary, or job transition
- Sense of accomplishment



Graduate Schools vs. Professional Schools

- Graduate school programs: offers more advanced course of study in an academic discipline (such as math, engineering, writing, etc.)
 - → Can be on it's own or as a step towards a PhD
 - → I.e. completing a Master's or PhD in Mathematics in order to do research or teach
- Professional school programs: prepare students for careers in specific fields (such as medicine, law, business, etc.)
 - → May be required before working in a particular occupation (such a social work or medicine)
 - → Good option for those who want to use an academic skillset in a real-world setting, i.e. completing a Masters in Finance or MS in Business Analytics in order to use mathematic skillset in real world situations.



Applying to graduate/professional schools

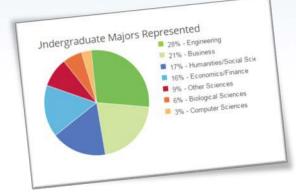
- Tests: GRE, GMAT/LSAT/MCAT
 - → What are competitive scores for the school or program?
 - → Will I want to retake the test? Can I submit multiple test scores?
 - → How much should I study before? How much does the test cost? Where do I take it?
- Transcripts
 - → Official or unofficial?
- Letters of recommendation
 - → How many? From who?
 - → Build and maintain connections now
- Internship or work experience (is it required or not?)
- Essays/Personal Statement



Why consider graduate business school?

• Use skillset in real-world settings

...but I have never studied business!





Why Rady?

- Founded in 2003, the Rady School is one of the youngest and fastest growing business schools
- Deeply rooted in the innovative and entrepreneurial spirit of California
- Founded by San Diego and Southern California business leaders
- Specialized Quantitative Master's Programs in Finance and Business Analytics



#RADYMADE

5 things you didn't know about the Rady School

- 1. Youngest school to ever get AACSB accreditation
- 2. Received \$100 million commitment from Rady Foundation
- 3. Ranked #1 for Intellectual Capital by BusinessWeek
- 4. More than 150 companies have been founded by graduates
- 5. Provides a small business school environment with the benefits of a large university



Application Checklist

Online Application: apply.grad.ucsd.edu

Requirements:

- Copy of all transcripts (unofficial, electronic copies)
- Statement of Purpose: Rady School of Management develops ethical and **entrepreneurial** leaders who make a positive impact in the world through **innovation**, **collaboration** and **knowledge**
- Letters of recommendations (2), current resume or CV
- GMAT or GRE (both valid for five years)
- English proficiency testing, if required (valid two years)

Applications reviewed on a rolling basis

- Interview by invitation only
- Upcoming deadlines: Dec 1, Feb 1, April 1*, June 1
- Applications for fall 2018 are now being accepted



SPECIALIZED QUANTITATIVE MASTER'S PROGRAMS



Master of Science in Business Analytics

Data Driven · Empirical · Collaborative · Knowledge 1 year analytics program

- Developed by Rady faculty in response to the increasing demand for qualified business analysts
- Students will:
 - Receive rigorous, hands-on training to develop models and analyze data
 - Use statistics and machine learning to solve business problems
 - Gain both quantitative skills to create better decision tools and the ability to manage analytics teams and projects
- Focus on predictive analytics and optimization for data driven decision-making
- Use of statistical and optimization tools (e.g. R, Shiny, Radiant)
- Strong foundation in probability and statistics, programming, statistical applications preferred



MS in Business Analytics Program

Program has an August start

Full-time program: 50 units completed over 12 months

1 year program – required Orientation beginning Summer quarter, Core (16 units) & Electives (28 units) through Fall, Winter & Spring quarters, complete Capstone Project (4 units) in last two quarters

SUMMER SESSION I

FALL QUARTER

WINTER QUARTER

SPRING QUARTER

SUMMER SESSION II

Required Core Courses

- Professional Seminar
- Business Analytics in Marketing, Finance, and Operations
- Collecting and Analyzing Large Data
- Business Analytics
- Business Analytics Capstone Project

Example Electives

- Customer Analytics
- Supply Chain Analytics
- Business Intelligence Systems
- Experiments in Firms
- Managerial Judgment and Decision Making
- Creativity and Innovation

- Technology and Innovation Strategy
- Research for Marketing Decisions
- Consumer Behavior
- Social Media Marketing
- Behavioral Finance
- Business Forecasting



M. Melvin background: academic and practitioner

- Managing Director at BlackRock
 - Manage money for our clients
 - pension funds, foundations, governments, central banks, & individuals (iShares & mutual funds)



BlackRock has offices in 24 countries and more than 60 cities





Latin America

Mexico City

Santiago

São Paulo

North America

- Atlanta
- Bloomfield Hills
- Boston
- Charlotte
- Chicago
- Cincinnati
- Dallas
- Durham
- Houston
- Jacksonville
- La Jolla
- Los Angeles
- Miami
- Montreal
- New York

· Newport Beach

- Northern New Jersey
- Palm Beach
- Philadelphia
- Phoenix
- Pittsburgh
- Princeton
- San Francisco
- Seattle
- Stamford
- · St. Louis
- · St. Petersburg
- Toronto
- Washington DC
- Wilmington



UK, Continental Europe & Middle East

- Amsterdam
- Brussels
- Dubai
- Frankfurt
- Geneva
- Luxembourg
- Madrid
- Milan
- Munich
- Paris

- Stockholm
- United Kingdom
 - -Edinburgh
 - -Isle of Man
 - -Jersey
 - -London
 - -Peterborough
- Vienna
- Warsaw
- Zurich



Asia

- Beijing
- Hong Kong
- Mumbai
- Seoul
- Shanghai
- Singapore
- Taipei
- Tokyo



The Finance Industry

- "Buy side" vs. "Sell side"
- "fundamental" vs. "quant" investors



Roles in investment firms

- Researcher
 - Develop ideas into trading signals
 - Monitor market for out-of-model risks and opportunities
- Portfolio manager
 - Oversee daily optimization or daily portfolio decisions
 - Interface with trading desk
 - Monitor market for out-of-model risks and opportunities
- Strategist
 - Represent portfolios and approach to clients
- Risk manager

 Monitor all portfolios and stress test for performance in different scenarios



Other roles in finance include...

- Actuary
 - Evaluate the likelihood of future events & manage risk
- Private equity investor
 - Rather than financial assets, invest in real assets like real estate or business firms
- Financial analyst
 - Provide guidance to firms in their investment decisions
- Governments and multinational organizations
 - Analysts, researchers, managers



Master of Finance

Data Driven · Empirical · Collaborative · Knowledge 1 year quantitative finance program

- Developed by Rady Faculty in response to the financial crisis of 2007-2008
- The financial industry has a current demand for people who can:
 - Work with and analyze large sets of data
 - Design and implement financial models
 - Produce sound economic forecasts
- Students will learn leading-edge methods for analyzing "big data" for financial decision making and risk management
- The program's emphasis on quantitative models and methods ensures graduates are equipped to develop innovative solutions to the complex problems facing the financial industry



Master of Finance

Schedule – 1 year option

Academic Year

Sample Electives

- Stochastic Calculus and Continuous Time Finance
- Business Forecasting
- Collecting and Analyzing Financial Data
- Valuation in Corporate Finance
- Intermediate Financial Accounting
 - Macroeconomics

- Computational Finance Methods
- Behavioral Finance
- New Venture Finance
- Derivatives and Structured Finance
- Money & Banking

PreTerm

Fall Quarter

-Financial Accounting
-Investment Analysis
-Financial Econometrics & Empirical
Methods
-Elective 1

2018

Winter Quarter

--Advanced Financial Risk Mgmt

- -Elective 2
- -Elective 3
- -Elective 4
- Professional Seminar

Spring Quarter

- -Elective 5
- -Elective 6
- -Elective 7
- -Elective 8
- Professional Seminar

Summer Quarter

Capstone Project (+Internship?)



Master of Finance Program

Capstone Applied Finance Project (4 credits)

- Direct, hands-on experience applying concepts, frameworks and tools learned in the classroom to a financial data or risk management project or initiative. Most projects done in collaboration with industry partners
- Completed during the final quarter of the program under faculty supervision – option to do internship in summer and return in Fall to finish capstone

Sample list of Firms

- BlackRock
- Citibank
- Deutsche Bank
- Dodge & Cox
- First Quadrant
- Integral
- Moodys
- Mulligan Funding
- RealStir
- Research Affiliates
- Schroders
- State Street
- TPG

Sample list of Projects

- Blending Active & Passive Funds
- International Equity Hedging Strategies
- Evidence of Behavioral Biases in Financial Advisors
- Early warning indicators of "flash crash"
- Regime switching and asset allocation
- Institutional Change in the FX Market & Trading Strategies
- Announcement effects of Chinese debt-equity swaps
- Macro scenario analysis & portfolio stress tests
- Internet finance in China and the Fintech industry



Building Connections

PhD Programs

Rady, Duke, Univ. of Texas, Stanford, Univ. of Chicago

Employers in San Diego area

- The Retirement Group
- Factor Technologies
- Altegris
- Fortis Advisors

- ZenSun USA
- Acea Biosciences
- Gurtin Muni Bond Mgt
- ClariVest

Employers Outside San Diego

- Bank of China (Chicago & New York)
- Vivo Capital (Bay Area)
- Milken Institute (Israel)
- CTBC Bank (LA)
- Goldman Sachs

- JP Morgan Chase
- Valiantica, Inc. (Bay Area)
- Integral Development Corp (Bay Area)
- Dimensional Fund Advisors
- CITIC Securities



RADY FINANCE STUDENTS ARE HEADED TO:



























RADY MSBA STUDENTS ARE GETTING HIRED AT:















Questions

- RadyGradAdmissions@ucsd.edu
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Join us for class visits, one-on-one advising sessions, and special events.

