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 its 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

• Resume or CV
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

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
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
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

**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

**Latin America**
- Mexico City
- Santiago
- São Paulo

**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

**Australia**
- Brisbane
- Melbourne
- Perth
- Sydney
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

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

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?)

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

2018
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
  - Aeca 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
  - UBS
  - Drobny Capital (Santa Monica)
  - JP Morgan Chase
  - Valiantica, Inc. (Bay Area)
  - Integral Development Corp (Bay Area)
  - Dimensional Fund Advisors
  - CITIC Securities
  - Research Affiliates
Rady Finance Students Are Headed To:
RADY MSBA STUDENTS ARE GETTING HIRED AT:
Questions

• RadyGradAdmissions@ucsd.edu
• Madriqueka Koppe mkoppe@ucsd.edu

Join us for class visits, one-on-one advising sessions, and special events.