# Graduate Studies: The 5 Ws in "5" Minutes

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#### Too Many Choices?!?

- What is a graduate degree?
- Why do a graduate degree?
- When do a graduate degree?



- Where should I do a graduate degree?
- Who should I select as a research supervisor?

## What is a Graduate Degree?

- advanced academic degree (masters or doctoral)
- admitted students must have earned a previous undergraduate degree
- demonstrates in-depth knowledge through courses and possibly a thesis
- often involves producing original research

## What is a Graduate Degree?

- At the heart of graduate school is inquisition
  - problem defined, investigated and solved



# Why do a Graduate Degree?

- Society needs graduate degree holders
  - most highly educated and skilled group!



#### GOOD REASONS

- Invest in your future
- Get noticed in today's job market
- Develop yourself professionally
- Pursue your interests in more depth
- Contribute to the world's knowledge

- Make connections
- Increase financial prospects
- Get academic recognition
- Work with the best
- Gain internationally recognized qualification

#### **BAD REASONS**

- Avoid job hunt and personal/financial obligations
- Don't know what to do with your life
- Dissatisfied with current employment
- You "wouldn't mind" learning more about a subject





#### When do Graduate Studies

- Right after undergraduate degree?
  - you have momentum and skills are sharp
  - may have fewer obligations
  - can target the "right" entry-level position
- After some work/life experience?
  - better know yourself and career goals
  - broader and more mature view
  - employer may support studies

## What Program is best?

- Master's (course-based, 1.5-2 years)
  - specialization; advanced knowledge
- Master's (course + thesis-based, 1.5-2 years)
  - enhances creativity, flexibility and analytic skills
- Doctorate (~4 years)
  - original research
  - enhances independence, creativity, flexibility

#### Transferable Competencies

- questioning and inquiring attitude
- self-confidence
- ability to defend new ideas
- problem-solving skills
- determination to find better ways to tackle challenges
- maturity and autonomy
- ability to make impact
- critical judgement
- ability to rise to the challenge

- ability to learn quickly
- ability to acquire new skills quickly
- expertise at analytic thinking
- adaptability
- ability to make impact
- talent to bridge different areas and communicate with others in different disciplines
- capability to handle high pace of knowledge economy

M.Eng.

M.A.Sc.

Ph.D.

### What Program is best?

- Determine your commitment and goals.
- Identify your strengths and assets.
- Identify your weaknesses.
- Select what you can compromise on.

# Where should I do Graduate Studies?

- Existence of
  - desired supervisor
  - o critical mass in field of interest
  - desired courses and opportunities
- Reputation, location, support network
- Does it "feel" right?

# How do I Select a Research Supervisor?

- Area of interest
- Personality match
- Research/supervision style
- Scale of research group and resources
- Placement of former students
- Expectations

Talk to other students, but be discriminating!
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#### Decisions, Decisions ...

You and your career are <u>both</u> a work in progress.



YOU HAVE SIGNIFICANT
CONTROL OVER WHO
YOU ARE AND WHAT
YOU DO

STRATEGY 2: YOU MODIFY YOUR
CAREER GOALS TO SUIT
WHO YOU ARE

You Career

STRATEGY 1:
YOU MODIFY YOUR CHOICES
TO MEET YOU CAREER GOALS

YOU HAVE
PARTIAL CONTROL
OVER YOUR CAREER

#### **NEED BOTH!**

STRATEGY 2: YOU MODIFY YOUR
CAREER GOALS TO SUIT
WHO YOU ARE



STRATEGY 1: YOU MODIFY YOUR CHOICES TO MEET YOU CAREER GOALS

#### It helps to ...

- have your academic and career goals aligned with:
  - your interests
  - your strengths
  - the existence of a critical mass of supporters

"... find your passion."

# Don't Worry!



- There are many paths to success.
- You can make the best of a variety of situations.
- You can change your mind.
- Regardless of your stage of success, you can be happy; Note: Success # Happiness

"Success is getting what you want. Happiness is wanting what you get."

#### Don't Be Fearful!



"Fear is the path to the dark side. Fear leads to anger. Anger leads to hate. Hate leads to suffering."

- Yoda, Star Wars

#### Contact

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