Postgraduate Flowchart

Strong inner drive, motivation

Curiosity, interest (beyond average)

Top grades (B+ or more)

Graduate Studies

Enjoy theory and think you can improve it

Enjoy advanced applications, but not too much theory

MSc
(thesis based, stricto sensu)
guided application of the scientific method

PhD
(thesis based, stricto sensu)
independent application of the scientific method

Post Doctoral Fellow
solve more “PhD”s, formulate PhD proposals

MEng
(course based, lato sensu)
specialization through advanced coursework

Advanced Engineer, Consultant

Dislike teaching, tutoring

Academic
scientific production, project management, teaching

Scientist
scientific production, project management

Carlos F. Lange
Mechanical Eng.
Univ. of Alberta