Software Engineering Degree Program

- Interdisciplinary program between computer science and electrical engineering
- Should start in 2003 at both first and second year levels
- Common first year with other engineering degrees
- Accredited with both the Canadian Engineering Accreditation Board and the Computer Science Accreditation Council
- Exciting program!

Software Engineering Degree Program

- Why? For 30 thirty years almost anyone that has written a line of code can call themselves a software engineer!

- And yet software vendors typically disclaim any responsibility for any defects in their software

- The risks for software failing in safety critical systems are very serious

- The focus of the software engineering degree program will be both on the application of engineering methods to software, and on the development of engineering software applications.

- There will be special emphasis on three themes:

  (1) the analysis and testing of software for correctness, performance, and usability;

  (2) the design of software to reduce the costs of maintenance and evolution; and

  (3) the design of software as part of larger, embedded, and real-time systems.