COMPUTER PROGRAMMERS AND INTERACTIVE MEDIA DEVELOPERS (NOC: 2174)
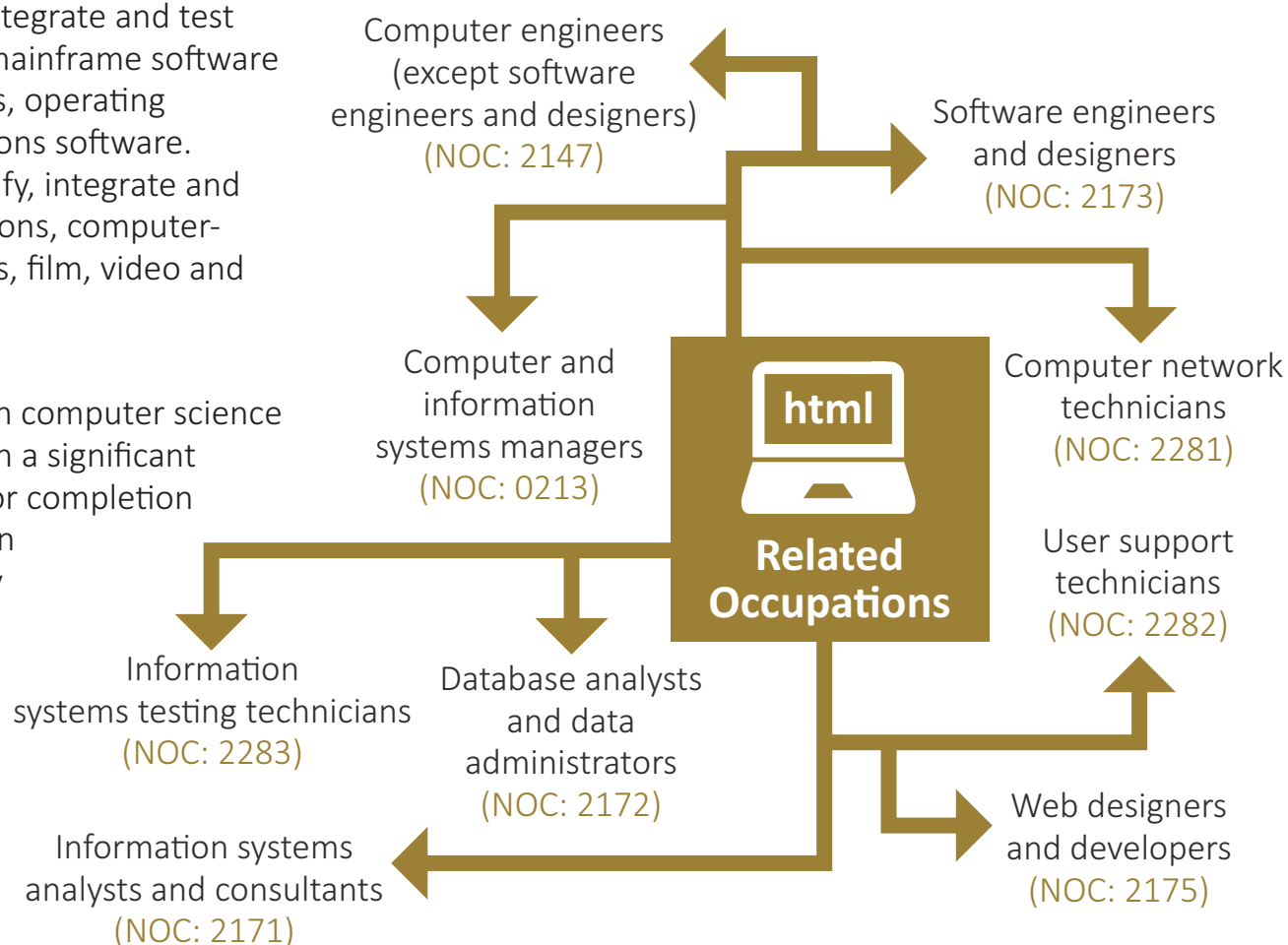
Computer programmers write, modify, integrate and test computer code for microcomputer and mainframe software applications, data processing applications, operating systems-level software and communications software. Interactive media developers write, modify, integrate and test computer code for Internet applications, computer-based training software, computer games, film, video and other interactive media.
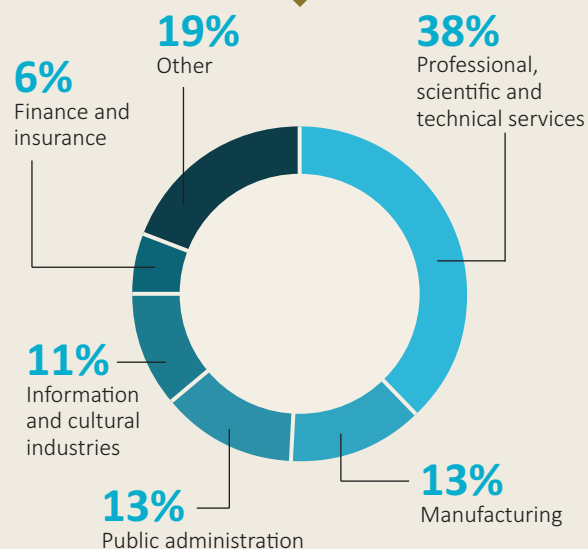
A **bachelor's degree** in computer science or in another discipline with a significant programming component or completion of a **college program** in computer science is usually required.

Work Prospects (2015 - 2017): **Good**

Related Occupations

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Computer engineers (except software engineers and designers) (NOC: 2147)

Software engineers and designers (NOC: 2173)

Computer and information systems managers (NOC: 0213)

Computer network technicians (NOC: 2281)

User support technicians (NOC: 2282)

Information systems testing technicians (NOC: 2283)

Database analysts and data administrators (NOC: 2172)

Web designers and developers (NOC: 2175)

Information systems analysts and consultants (NOC: 2171)

Employment by Industry

38%
Professional, scientific and technical services

19%
Other

6%
Finance and insurance

11%
Information and cultural industries

13%
Public administration

13%
Manufacturing

Sample Job Title

Computer game developer

Multimedia developer

Software programmer

Business application programmer

Examples of duties performed

Computer programmers perform some or all of the following duties:

- Write, modify, integrate and test software code
- Maintain existing computer programs by making modifications as required
- Identify and communicate technical problems, processes and solutions
- Prepare reports, manuals and other documentation on the status, operation and maintenance of software

Interactive media developers perform some or all of the following duties:

- Program animation software to predefined specifications for interactive CDs, DVDs, video game cartridges and Internet-based applications
- Program special effects software for film and video applications
- Write, modify, integrate and test software code for e-commerce and other Internet applications

Forecasting

Forecasted Total Job Openings	Forecasted Expansion Demand (New Growth)	Forecasted Replacement Demand (Openings due to Attrition)
2017-2026	2017-2026	2017-2026
312	-59	368

Canada

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