1. Software Requirements

* Requirements definition and management
* Real-time/ embedded systems development
* Methods and tool
* Testing
* Configuration Management
* Safety Engineering

2. Software Design

* Software design
* System design
* Real-time/ embedded systems development
* Safety engineering

3. Software Construction

* Programming/ software devolpment
* Real-time/ embedded systems development
* Systems integration and build
* Testing

4. Software Testing

5. Software Maintenance

6. Software Configuration Management

7. Software Engineering Management

8 Software Engineering Process

9. Software Engineering Models and Methods

10. Software Quality

11. Software Engineering Professional Practice

12. Software Engineering Economics

13. Computing Foundations

14. Mathematical Foundations

15. Engineering Foundations