KTH courses for Spring 2018 in Computer Science:

1. **Database Technology (DD1368)**  
   Preapproved: CS 411, 6 ECTS = 3 hours  
   Duration: Periods 3 and 4

2. **Algorithms and Complexity (DD2352)**  
   Preapproved: CS 374 (currently CS498/section 374), 7.5 ECTS = 3.75 hours  
   Duration: Periods 3 and 4

3. **Methods in High Performance Computing (DD2356)**  
   Preapproved: CS 420, 7.5 ECTS = 3.75 hours  
   Duration: Period 4

4. **Automata and Languages (DD2372)**  
   Preapproved: CS 475, 6 ECTS = 3 hours  
   Duration: Period 4

5. **Deep Learning in Data Science (DD2424)**  
   Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours  
   Duration: Period 4

6. **Artificial Neural Networks and Deep Architectures (DD2437)**  
   Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours  
   Duration: Period 3

7. **Artificial Intelligence and Multi Agent Systems (DD2438)**  
   Preapproved: CS 4xx, 15 ECTS = 7.5 hours  
   Duration: Periods 3 and 4

8. **Parallel and Distributed Computing (DD2443)**  
   Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours  
   Duration: Period 3

9. **Software Reliability (DD2459)**  
   Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours  
   Duration: Period 3

10. **Software Safety and Security (DD2460)**  
    Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours  
    Duration: Period 4

11. **Search Engines and Information Retrieval Systems (DD2476)**  
    Preapproved: CS 410, 9 ECTS = 4.5 hours  
    Duration: Periods 3 and 4

12. **Software Engineering Fundamentals (DD2480)**
13. Principles of Programming Languages (DD2481)
   https://www.kth.se/student/kurser/kurs/DD2481?l=en
   Preapproved: CS 427, 7.5 ECTS = 3.75 hours
   Duration: Period 3

    http://www.kth.se/student/kurser/kurs/DH2323?l=en
    Preapproved: CS 418, 6 ECTS = 3 hours
    Duration: Period 4

15. Concurrent Programming (ID1217)
    http://www.kth.se/student/kurser/kurs/ID1217?l=en
    Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours
    Duration: Period 3

    Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours
    Duration: Period 3

17. Constraint Programming (ID2204)
    http://www.kth.se/student/kurser/kurs/ID2204?l=en
    Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours
    Duration: Period 4

18. Programming Web-Services (ID2208)
    http://www.kth.se/student/kurser/kurs/ID2208?l=en
    Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours
    Duration: Period 4

19. Distributed Computing, Peer-to-Peer and GRIDS (ID2210)
    https://www.kth.se/student/kurser/kurs/ID2210?l=en
    Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours
    Duration: Period 4

20. Developing Mobile Applications (ID2216)
    https://www.kth.se/student/kurser/kurs/ID2216?l=en
    Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours
    Duration: Period 3

21. Embedded Software (IL2212)
    http://www.kth.se/student/kurser/kurs/IL2212?l=en
    Preapproved: CS 431, 7.5 ECTS = 3.75 hours
    Duration: Period 3

22. Computer Systems Architecture (IS2202)
    http://www.kth.se/student/kurser/kurs/IS2202?l=en
    Preapproved: CS 433, 7.5 ECTS = 3.75 hours
    Duration: Period 4

23. Discrete Mathematics (SF1610)
    http://www.kth.se/student/kurser/kurs/SF1610?l=en
    Preapproved: CS 173, 7.5 ECTS = 3.75 hours
    Duration: Period 4

24. Parallel Computations for Large-Scale Problems (SF2568)
Preapproved: CS 420, 7.5 ECTS = 3.75 hours
Duration: Periods 3 and 4

25. **Dimensioning of Communication Systems (IK1611)**
   Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours
   Duration: Period 3

26. **Internetworking (IK1552)**
    Preapproved: CS 438, 7.5 ECTS = 3.75 hours
    Duration: Period 4

27. **Advanced Internetworking II (IK2217)**
    Preapproved: CS 538, 7.5 ECTS = 3.75 hours
    Duration: Period 3

28. **Network Services and Internet-based Applications (IK2213)**
    Preapproved: CS 4xx, 7.5 ECTS = 3.75 hours
    Duration: Period 4