



**Civil Service Commission**  
Police and Fire Classified Service

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**MEMORANDUM**

TO: All Candidates for the Engineer Examination  
Denver Fire Department

FROM: Niccy Murray  
Executive Director

SUBJ: Reading List - 2022 Examination for Denver Fire Engineer

DATE: January 7, 2022

The written examination component of the 2022 Examination for Engineer is a closed-book test which requires candidates to respond to items without the use of reference materials. This test is based on the material contained in the official reading list, which is attached to this memorandum.

The Textbooks on the *Official Reading List* **IFSTA Pumping and Aerial Apparatus Driver/Operator Handbook** (2015), Third Edition, Third Printing, are available for purchase or rent on Amazon.com.

The Department **Study Material** on the *Official Reading List* was provided by the Department on in November, 2021. All items comprising the Department Study Material will be combined into a study packet. To download, please go to [www.denvergov.org/civilservice](http://www.denvergov.org/civilservice) and select the “Promotional Registration” link. There will be a link located under the 2022 Fire Engineer Examination Schedule to the Department Reading Material.

A copy of the Job Description for the rank of Engineer is available for download at the time of online Registration at the Commission’s website ([www.denvergov.org/civilservice](http://www.denvergov.org/civilservice)). Select the “Promotional Registration” link on the right side. There will be a link located under the 2020 Fire Engineer Examination Schedule to the Job Description.

If you have any questions regarding this memorandum, the Official Reading List, or the Announcement of Examination, please contact Jeannette Giron, Senior H. R. Data Analyst by email at [jeannette.giron@denvergov.org](mailto:jeannette.giron@denvergov.org).



**OFFICIAL READING LIST**  
**2020 Examination for Engineer**  
**Denver Fire Department**

**TEXT BOOKS**

<b>TITLE AND AUTHOR</b>
<p><b><u>IFSTA Pumping and Aerial Apparatus Driver/Operator Handbook</u></b> (2015), Third Edition, Third Printing (Exclude Page 21 Dealing with Fireboats, (Pages 212 - Formula 7.1 (metric), Page 214 – Formula 7.2 (Metric) and Formula 7.3 (Metric), Pages 248 through 277 Dealing with Formulas Example - International System of Units (Metric), Page 286 (table 8.1b (Metric)), (Pages 92 through 93, 117 through 118, 128 through 131, 543, 553 through 555, 581, 588 through 591, 664 through 665, and 669 through 671 Dealing with Tillers), Pages 684 through 686 Dealing with Operating Articulating Aerial Equipment, Chapter 11, Chapter 13, Chapter 15, Appendix A, Appendix B, Appendix D (table D.1, D.3, D.5, D.8, D.9, D.10), Appendix E, and Appendix F), Glossary, and Index)</p>

**DENVER FIRE DEPARTMENT READING MATERIAL**

**Local 858 2022 Fire Fighters Agreement**

**DENVER FIRE DEPARTMENT DIRECTIVES**

1. Accidents and Driver Review – 1010.00
2. Driver Safety Program – 1010.01
3. Accidents Involving DFD Vehicles or Apparatus – 1010.02
4. Accidents NOT Involving DFD Vehicles – 1010.03
5. Accidents Involving DFD Vehicles on DFD Property – 1010.04
6. Driver's License and Violation Reporting Policy – 1010.05
7. Emergency (Code 10) Responses – 1010.06
8. Use of Seat Belts in Department Vehicles – 1010.07
9. Uniforms and personal appearance- 1011
10. Mission Statement – 1019.00
11. Code of Conduct – 1020.00
12. Sexual Harassment Policy – 1021.00
- 13 Executive Order 94 – City and County of Denver Employees' Alcohol and Drug Policy – 1022.00
14. Use of Department Psychologists by Fire Department Personnel For Problems Of Drug And/or Alcohol Abuse – 1023.00
15. Mandatory reporting of Elder and Child Abuse 1031
16. Discrimination, Hazing, harassment and retaliation 1037
17. Equal employment opportunity policy 1037.0

## **DENVER FIRE DEPARTMENT STANDARD OPERATING GUIDELINES**

1. Rank Structure – 2101.01
2. Operating Apparatus in Reverse – 2105.01
3. Hose Inventory, Maintenance, and Testing – 2106.01
4. Rapid Intervention Team – 2110.01
5. Natural Gas – 2111.07
6. Carbon Monoxide – 2111.22
7. Engine Company Operations – 2112.01 through 2112.10
8. AFFF/ATC Foam – 2112.11
9. Truck Company Operations – 2113.01, 2113.02 and 2113.04
10. High Rise – 2114.00, 2114.02 through 2114.08, and 2114.20 through 2114.30
11. Special Operations Collapse Rescue – 2115.02
12. Special Operations Confined Space Rescue - 2115.03
13. Hazardous Materials – 2116.01 and 2116.02

### **D. 2019 COLORADO COMMERCIAL DRIVER LICENSE (CDL) MANUAL**

1. Section 2 (Driving Safely)
2. Section 5 (Air Brakes)
3. Section 8 (Tank Vehicles)

### **E. EXECUTIVE ORDERS**

Executive Order 112 – Violence in the City Workplace

### **G. DENVER FIRE DEPARTMENT ENGINEER’S QUICK REFERENCE CHART**

### **H. DENVER FIRE DEPARTMENT FRICTION LOSS PUMP CHART**