

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
	<b>Air Transport Pilot Airplane (CFR 121)</b>		<b>7,611</b>	<b>96.72%</b>	<b>87.33</b>
	Aerodynamics	88.40%			
	Aeronautical Decision Making (ADM)	80.92%			
	Air Traffic Control Procedures	88.95%			
	Aircraft Performance	81.02%			
	Aircraft Systems	91.99%			
	Airport Operations	90.31%			
	Airspace	92.87%			
	Flight Operations	84.02%			
	Human Factors	91.53%			
	Instrument Procedures	89.52%			
	Meteorology	85.50%			
	National Weather Service (NWS)	83.36%			
	Navigation	87.57%			
	Publications	90.58%			
	Regulations	87.61%			
	Weather	86.29%			
	Weight and Balance	86.53%			
	Windshear / Turbulence	89.29%			
	<b>Air Transport Pilot Airplane (CFR 135)</b>		<b>581</b>	<b>91.74%</b>	<b>82.99</b>
	Aerodynamics	84.54%			
	Aeronautical Decision Making (ADM)	70.00%			
	Air Traffic Control Procedures	80.09%			
	Aircraft Performance	73.10%			
	Aircraft Systems	87.25%			
	Airport Operations	89.84%			
	Airspace	86.74%			
	Crew Resource Management (CRM)	68.09%			
	Flight Operations	78.31%			
	Human Factors	86.51%			
	Instrument Procedures	84.31%			
	Meteorology	78.78%			
	National Weather Service (NWS)	82.25%			
	Navigation	84.93%			
	Publications	88.07%			
	Regulations	85.27%			
	Weather	80.19%			
	Weight and Balance	82.46%			
	Windshear / Turbulence	84.09%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Aircraft Dispatcher</b>			<b>1,167</b>	<b>78.06%</b>	<b>77.32</b>
	Aerodynamics	63.94%			
	Aeronautical Decision Making (ADM)	50.00%			
	Air Traffic Control Procedures	79.02%			
	Aircraft Performance	66.10%			
	Aircraft Systems	74.53%			
	Airport Operations	80.39%			
	Airspace	80.86%			
	Crew Resource Management (CRM)	69.12%			
	Flight Operations	72.38%			
	Human Factors	85.19%			
	Instrument Procedures	79.88%			
	Meteorology	77.69%			
	National Weather Service (NWS)	74.06%			
	Navigation	73.60%			
	Publications	77.84%			
	Regulations	84.73%			
	Weather	78.22%			
	Weight and Balance	76.30%			
	Windshear / Turbulence	74.19%			
<b>Airline Transport Pilot Airplane (CFR 135) (Added Rating)</b>			<b>19</b>	<b>78.95%</b>	<b>79.89</b>
	Aerodynamics	81.13%			
	Aeronautical Decision Making (ADM)	50.00%			
	Air Traffic Control Procedures	71.43%			
	Aircraft Performance	65.00%			
	Aircraft Systems	95.00%			
	Airport Operations	100.00%			
	Airspace	73.33%			
	Flight Operations	85.71%			
	Human Factors	62.50%			
	Instrument Procedures	90.59%			
	Meteorology	62.50%			
	Navigation	79.28%			
	Publications	89.47%			
	Regulations	80.95%			
	Weather	80.26%			
	Weight and Balance	78.05%			
	Windshear / Turbulence	80.00%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Airline Transport Pilot Helicopter (CFR 135)</b>			<b>626</b>	<b>98.24%</b>	<b>87.88</b>
	Aerodynamics	90.85%			
	Aeronautical Decision Making (ADM)	76.56%			
	Air Traffic Control Procedures	90.53%			
	Aircraft Performance	86.16%			
	Aircraft Systems	93.18%			
	Airport Operations	92.94%			
	Airspace	91.11%			
	Crew Resource Management (CRM)	80.39%			
	Flight Operations	86.62%			
	Human Factors	88.44%			
	Instrument Procedures	82.62%			
	Meteorology	86.23%			
	National Weather Service (NWS)	81.99%			
	Navigation	84.72%			
	Publications	92.21%			
	Regulations	90.54%			
	Weather	85.33%			
	Weight and Balance	84.04%			
	Windshear / Turbulence	92.23%			
<b>Airline Transport Pilot Helicopter (CFR 135) (Added Rating)</b>			<b>44</b>	<b>97.73%</b>	<b>84.18</b>
	Aerodynamics	84.78%			
	Aeronautical Decision Making (ADM)	53.85%			
	Air Traffic Control Procedures	80.65%			
	Aircraft Performance	74.23%			
	Aircraft Systems	87.10%			
	Airport Operations	100.00%			
	Airspace	91.18%			
	Crew Resource Management (CRM)	100.00%			
	Flight Operations	91.18%			
	Human Factors	85.54%			
	Instrument Procedures	87.65%			
	Meteorology	88.24%			
	National Weather Service (NWS)	50.00%			
	Navigation	83.63%			
	Publications	81.63%			
	Regulations	89.75%			
	Weather	86.31%			
	Weight and Balance	75.51%			
	Windshear / Turbulence	86.96%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>ATP Airplane Canadian Conversion</b>			<b>107</b>	<b>93.46%</b>	<b>84.26</b>
	Air Traffic Control Procedures	89.27%			
	Airport Operations	83.51%			
	Airspace	87.57%			
	Flight Operations	79.75%			
	Instrument Procedures	73.13%			
	Navigation	78.61%			
	Publications	80.86%			
	Regulations	86.48%			
<b>Aviation Maintenance Technician Airframe</b>			<b>8,486</b>	<b>90.22%</b>	<b>82.31</b>
	(A)Wood Structures	83.79%			
	(B)Aircraft Covering	84.06%			
	(C)Aircraft Finishes	89.63%			
	(D)Sheet Metal and Non-Metallic Structures	80.59%			
	(E)Welding	86.87%			
	(F)Assembly and Rigging	83.31%			
	(G)Airframe Inspection	77.27%			
	(K)Aircraft Landing Gear Systems	81.34%			
	(L)Hydraulic and Pneumatic Power Systems	79.22%			
	(M)Cabin Atmosphere Control Systems	78.77%			
	(N)Aircraft Instrument Systems	84.16%			
	(O)Communication and Navigation Systems	87.20%			
	(P)Aircraft Fuel Systems	82.45%			
	(Q)Aircraft Electrical Systems	82.35%			
	(R)Position and Warning Systems	82.45%			
	(S)Ice and Rain Control Systems	85.64%			
	(T)Fire Protection Systems	86.02%			
<b>Aviation Maintenance Technician General</b>			<b>9,252</b>	<b>92.01%</b>	<b>83.23</b>
	(A)Basic Electricity	80.97%			
	(B)Aircraft Drawings	85.32%			
	(C)Weight and Balance	81.87%			
	(D)Fluid Lines and Fittings	87.55%			
	(E)Materials and Processes	83.10%			
	(F)Ground Operation and Servicing	88.50%			
	(G)Cleaning and Corrosion Control	84.45%			
	(H)Mathematics	81.00%			
	(I)Maintenance Forms and Records	86.17%			
	(J)Basic Physics	84.29%			
	(K)Maintenance Publications	82.55%			
	(L)Mechanic Privileges and Limitations	88.19%			
	(M)Human Factors	58.02%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
	<b>Aviation Maintenance Technician Powerplant</b>		<b>8,272</b>	<b>89.43%</b>	<b>81.34</b>
	(A)Reciprocating Engines	85.72%			
	(B)Turbine Engines	83.43%			
	(C)Engine Inspection	82.38%			
	(H)Engine Instrument Systems	82.50%			
	(I)Engine Fire Protection Systems	78.66%			
	(J)Engine Electrical Systems	80.99%			
	(K)Lubrication Systems	80.74%			
	(L)Ignition and Starting Systems	78.14%			
	(M)Fuel Metering Systems	76.75%			
	(N)Engine Fuel Systems	82.79%			
	(O)Induction and Engine Airflow Systems	78.79%			
	(P)Engine Cooling Systems	84.99%			
	(Q)Engine Exhaust and Reverser Systems	83.81%			
	(R)Propellers	81.10%			
	(T)Auxiliary Power Units	82.87%			
	<b>Commercial Pilot Airplane</b>		<b>7,985</b>	<b>96.21%</b>	<b>86.61</b>
	Aerodynamics	82.42%			
	Aircraft Performance	82.54%			
	Aircraft Systems	91.44%			
	Airport Operations	82.33%			
	Airspace	87.88%			
	Flight Operations	91.18%			
	Human Factors	90.06%			
	Instrument Procedures	80.79%			
	Navigation	83.83%			
	Regulations	87.42%			
	Weather	88.40%			
	Weight and Balance	88.44%			
	<b>Commercial Pilot Airplane Canadian Conversion</b>		<b>84</b>	<b>90.48%</b>	<b>82.67</b>
	Aircraft Performance	56.82%			
	Airport Operations	77.85%			
	Airspace	74.79%			
	Instrument Procedures	84.09%			
	Navigation	72.22%			
	Regulations	85.92%			
	Weather	61.54%			
	<b>Commercial Pilot Airship</b>		<b>0</b>	<b>0.00%</b>	<b>0.00</b>
	<b>Commercial Pilot Balloon - Gas</b>		<b>0</b>	<b>0.00%</b>	<b>0.00</b>

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
	<b>Commercial Pilot Balloon - Hot Air</b>		<b>51</b>	<b>94.12%</b>	<b>86.16</b>
	Aerodynamics	97.04%			
	Aircraft Systems	97.01%			
	Airport Operations	56.76%			
	Airspace	69.83%			
	Flight Operations	93.07%			
	Fundamentals of Instruction	87.13%			
	Human Factors	75.79%			
	Navigation	82.16%			
	Regulations	87.36%			
	Weather	82.35%			
	Weight and Balance	96.55%			
	<b>Commercial Pilot Glider</b>		<b>58</b>	<b>94.83%</b>	<b>88.34</b>
	Aerodynamics	88.35%			
	Aircraft Performance	90.69%			
	Aircraft Systems	91.72%			
	Airport Operations	80.69%			
	Airspace	80.60%			
	Flight Operations	90.64%			
	Human Factors	91.38%			
	Navigation	81.61%			
	Regulations	91.33%			
	Weather	88.98%			
	Weight and Balance	94.48%			
	<b>Commercial Pilot Gyroplane</b>		<b>4</b>	<b>100.00%</b>	<b>88.75</b>
	Aerodynamics	83.33%			
	Aircraft Performance	100.00%			
	Aircraft Systems	86.76%			
	Airport Operations	90.00%			
	Airspace	88.89%			
	Flight Operations	95.83%			
	Human Factors	100.00%			
	Navigation	84.85%			
	Regulations	89.71%			
	Weather	87.50%			
	Weight and Balance	100.00%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Commercial Pilot Helicopter</b>			<b>1,014</b>	<b>97.83%</b>	<b>87.93</b>
	Aerodynamics	85.85%			
	Aircraft Performance	93.74%			
	Aircraft Systems	93.25%			
	Airport Operations	85.38%			
	Airspace	84.17%			
	Flight Operations	93.06%			
	Human Factors	94.77%			
	Instrument Procedures	73.96%			
	Navigation	84.60%			
	Regulations	86.88%			
	Weather	86.13%			
	Weight and Balance	87.23%			
<b>Flight Engineer Reciprocating Engine (Added Rating)</b>			<b>1</b>	<b>100.00%</b>	<b>84.00</b>
	Aircraft Performance	75.00%			
	Aircraft Systems	82.05%			
	Airport Operations	100.00%			
	Publications	100.00%			
	Regulations	100.00%			
	Weather	100.00%			
	Weight and Balance	100.00%			
<b>Flight Engineer Reciprocating Engine (Basic)</b>			<b>7</b>	<b>100.00%</b>	<b>90.29</b>
	Aerodynamics	97.37%			
	Aircraft Performance	82.98%			
	Aircraft Systems	88.80%			
	Airport Operations	91.67%			
	Flight Operations	100.00%			
	Human Factors	100.00%			
	Instrument Procedures	100.00%			
	Publications	100.00%			
	Regulations	92.37%			
	Weather	100.00%			
	Weight and Balance	84.44%			
<b>Flight Engineer Turbojet (Added Rating)</b>			<b>2</b>	<b>100.00%</b>	<b>82.00</b>
	Aerodynamics	81.82%			
	Aircraft Performance	82.35%			
	Aircraft Systems	81.36%			
	Airport Operations	100.00%			
	Flight Operations	100.00%			
	Regulations	100.00%			
	Weather	100.00%			
	Weight and Balance	60.00%			

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Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
	<b>Flight Engineer Turbojet (Basic)</b>		<b>224</b>	<b>99.55%</b>	<b>95.33</b>
	Aerodynamics	95.13%			
	Aircraft Performance	94.37%			
	Aircraft Systems	94.07%			
	Airport Operations	97.42%			
	Flight Operations	96.97%			
	Human Factors	96.63%			
	Instrument Procedures	96.63%			
	Publications	99.62%			
	Regulations	97.33%			
	Weather	96.03%			
	Weight and Balance	91.82%			
	<b>Flight Engineer Turboprop (Added Rating)</b>		<b>4</b>	<b>100.00%</b>	<b>86.00</b>
	Aerodynamics	88.89%			
	Aircraft Performance	73.33%			
	Aircraft Systems	90.16%			
	Airport Operations	100.00%			
	Instrument Procedures	75.00%			
	Publications	100.00%			
	Regulations	100.00%			
	Weather	78.57%			
	Weight and Balance	62.50%			
	<b>Flight Engineer Turboprop (Basic)</b>		<b>12</b>	<b>100.00%</b>	<b>88.50</b>
	Aerodynamics	90.70%			
	Aircraft Performance	78.64%			
	Aircraft Systems	87.95%			
	Airport Operations	93.75%			
	Flight Operations	100.00%			
	Human Factors	80.00%			
	Instrument Procedures	80.00%			
	Publications	94.12%			
	Regulations	94.67%			
	Weather	81.40%			
	Weight and Balance	79.27%			

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Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Instructor</b>	<b>Airplane</b>		<b>3,425</b>	<b>88.26%</b>	<b>81.81</b>
	Aerodynamics	85.32%			
	Aircraft Performance	81.41%			
	Aircraft Systems	84.67%			
	Airport Operations	85.25%			
	Airspace	88.31%			
	Flight Operations	83.18%			
	Human Factors	90.05%			
	Instructional Guidelines	62.16%			
	Navigation	77.96%			
	Publications	98.94%			
	Regulations	80.04%			
	Weather	83.65%			
	Weight and Balance	82.82%			
<b>Flight Instructor</b>	<b>Airplane (Added Rating)</b>		<b>56</b>	<b>89.29%</b>	<b>82.86</b>
	Aerodynamics	81.08%			
	Aircraft Performance	74.71%			
	Aircraft Systems	88.04%			
	Airport Operations	78.87%			
	Flight Operations	83.73%			
	Regulations	85.19%			
	Weight and Balance	78.95%			
<b>Flight Instructor</b>	<b>Glider</b>		<b>35</b>	<b>100.00%</b>	<b>89.40</b>
	Aerodynamics	92.10%			
	Aircraft Performance	88.51%			
	Aircraft Systems	93.53%			
	Airport Operations	85.62%			
	Airspace	92.91%			
	Flight Operations	86.65%			
	Human Factors	96.27%			
	Instructional Guidelines	38.89%			
	Navigation	79.25%			
	Regulations	89.16%			
	Weather	90.43%			
	Weight and Balance	100.00%			
<b>Flight Instructor</b>	<b>Glider (Added Rating)</b>		<b>53</b>	<b>96.23%</b>	<b>86.87</b>
	Aerodynamics	88.66%			
	Aircraft Performance	76.92%			
	Aircraft Systems	85.71%			
	Airport Operations	73.12%			
	Flight Operations	90.06%			
	Regulations	82.62%			
	Weather	94.34%			
	Weight and Balance	96.77%			

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Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Instructor</b>	<b>Gyroplane</b>		<b>2</b>	<b>100.00%</b>	<b>85.50</b>
	Aerodynamics	82.76%			
	Aircraft Performance	100.00%			
	Aircraft Systems	75.00%			
	Airport Operations	84.62%			
	Airspace	83.33%			
	Flight Operations	80.00%			
	Human Factors	66.67%			
	Instructional Guidelines	0.00%			
	Navigation	92.59%			
	Regulations	87.50%			
	Weather	89.74%			
	Weight and Balance	100.00%			
<b>Flight Instructor</b>	<b>Gyroplane (Added Rating)</b>		<b>9</b>	<b>77.78%</b>	<b>86.22</b>
	Aerodynamics	96.83%			
	Aircraft Performance	100.00%			
	Aircraft Systems	71.43%			
	Airport Operations	55.56%			
	Airspace	87.50%			
	Flight Operations	79.63%			
	Regulations	84.78%			
	Weight and Balance	100.00%			
<b>Flight Instructor</b>	<b>Helicopter</b>		<b>581</b>	<b>95.18%</b>	<b>85.38</b>
	Aerodynamics	90.90%			
	Aircraft Performance	86.29%			
	Aircraft Systems	86.76%			
	Airport Operations	86.11%			
	Airspace	89.32%			
	Flight Operations	88.11%			
	Human Factors	91.36%			
	Instructional Guidelines	28.13%			
	Navigation	78.31%			
	Regulations	84.50%			
	Weather	84.62%			
	Weight and Balance	78.66%			
<b>Flight Instructor</b>	<b>Helicopter (Added Rating)</b>		<b>63</b>	<b>96.83%</b>	<b>86.92</b>
	Aerodynamics	88.40%			
	Aircraft Performance	91.09%			
	Aircraft Systems	89.54%			
	Airport Operations	74.60%			
	Flight Operations	88.92%			
	Regulations	82.09%			
	Weight and Balance	90.67%			

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Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Instructor</b>	<b>Instrument Airplane</b>		<b>2,784</b>	<b>96.91%</b>	<b>86.94</b>
	Aerodynamics	92.28%			
	Air Traffic Control Procedures	89.03%			
	Aircraft Systems	89.53%			
	Airport Operations	86.74%			
	Airspace	92.98%			
	Flight Operations	92.91%			
	Human Factors	85.32%			
	Instrument Procedures	84.88%			
	Navigation	84.35%			
	Publications	89.41%			
	Regulations	88.24%			
	Weather	87.46%			
<b>Flight Instructor</b>	<b>Instrument Airplane (Added Rating)</b>		<b>66</b>	<b>92.42%</b>	<b>85.08</b>
	Aerodynamics	91.67%			
	Aircraft Systems	95.16%			
	Airport Operations	92.42%			
	Airspace	100.00%			
	Flight Operations	88.68%			
	Human Factors	84.09%			
	Instrument Procedures	82.38%			
	Navigation	68.63%			
	Publications	81.63%			
	Regulations	88.70%			
	Weather	80.39%			
<b>Flight Instructor</b>	<b>Instrument Helicopter</b>		<b>481</b>	<b>93.76%</b>	<b>84.16</b>
	Aerodynamics	83.26%			
	Aircraft Systems	80.41%			
	Airport Operations	89.29%			
	Airspace	88.69%			
	Flight Operations	87.34%			
	Human Factors	86.90%			
	Instrument Procedures	82.59%			
	Navigation	84.08%			
	Publications	90.37%			
	Regulations	84.19%			
	Weather	82.29%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Instructor</b>	<b>Instrument Helicopter (Added Rating)</b>		<b>80</b>	<b>91.25%</b>	<b>85.13</b>
	Aerodynamics	75.00%			
	Aircraft Systems	80.56%			
	Airport Operations	93.75%			
	Airspace	69.23%			
	Flight Operations	82.26%			
	Human Factors	93.75%			
	Instrument Procedures	84.22%			
	Navigation	61.54%			
	Publications	100.00%			
	Regulations	85.56%			
	Weather	85.48%			
<b>Flight Instructor</b>	<b>Sport Airplane</b>		<b>32</b>	<b>100.00%</b>	<b>86.97</b>
	Aerodynamics	90.63%			
	Aircraft Performance	86.46%			
	Aircraft Systems	84.28%			
	Airport Operations	89.02%			
	Airspace	88.41%			
	Flight Operations	90.17%			
	Human Factors	95.15%			
	Navigation	82.46%			
	Publications	100.00%			
	Regulations	85.93%			
	Weather	83.53%			
	Weight and Balance	86.29%			
<b>Flight Instructor</b>	<b>Sport Glider</b>		<b>1</b>	<b>100.00%</b>	<b>73.00</b>
	Aerodynamics	100.00%			
	Aircraft Performance	66.67%			
	Aircraft Systems	85.71%			
	Airport Operations	70.00%			
	Airspace	57.14%			
	Flight Operations	57.14%			
	Human Factors	100.00%			
	Navigation	33.33%			
	Regulations	100.00%			
	Weather	85.71%			
	Weight and Balance	80.00%			
<b>Flight Instructor</b>	<b>Sport Gyroplane</b>		<b>0</b>	<b>0.00%</b>	<b>0.00</b>

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Flight Instructor</b>	<b>Sport Powered Parachute</b>		<b>2</b>	<b>100.00%</b>	<b>87.50</b>
	Aerodynamics	100.00%			
	Aircraft Performance	50.00%			
	Aircraft Systems	100.00%			
	Airport Operations	94.44%			
	Airspace	100.00%			
	Flight Operations	64.29%			
	Human Factors	100.00%			
	Navigation	87.50%			
	Regulations	72.22%			
	Weather	90.00%			
	Weight and Balance	100.00%			
<b>Flight Instructor</b>	<b>Sport Weight-Shift-Control</b>		<b>4</b>	<b>100.00%</b>	<b>85.50</b>
	Aerodynamics	70.59%			
	Aircraft Performance	77.78%			
	Aircraft Systems	93.33%			
	Airport Operations	89.19%			
	Airspace	96.43%			
	Flight Operations	79.31%			
	Human Factors	87.50%			
	Navigation	81.25%			
	Publications	100.00%			
	Regulations	82.86%			
	Weather	86.67%			
	Weight and Balance	85.71%			
<b>Flight Navigator</b>			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Fundamentals of Instructing</b>			<b>4,691</b>	<b>88.36%</b>	<b>82.92</b>
	Fundamentals of Instructing	80.81%			
	Instructional Guidelines	83.66%			
<b>Ground Instructor (Advanced)</b>			<b>925</b>	<b>96.97%</b>	<b>86.88</b>
	Aerodynamics	85.97%			
	Aircraft Performance	81.29%			
	Aircraft Systems	87.49%			
	Airport Operations	88.32%			
	Airspace	92.19%			
	Flight Operations	84.86%			
	Human Factors	92.27%			
	Navigation	82.42%			
	Publications	97.49%			
	Regulations	86.73%			
	Weather	88.80%			
	Weight and Balance	85.29%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Ground Instructor (Basic)</b>			<b>56</b>	<b>82.14%</b>	<b>82.00</b>
	Aerodynamics	79.86%			
	Aircraft Performance	75.49%			
	Aircraft Systems	78.96%			
	Airport Operations	85.71%			
	Airspace	85.11%			
	Flight Operations	81.87%			
	Human Factors	87.78%			
	Navigation	78.04%			
	Regulations	80.85%			
	Weather	84.46%			
	Weight and Balance	91.07%			
<b>Ground Instructor Instrument</b>			<b>773</b>	<b>96.64%</b>	<b>86.16</b>
	Air Traffic Control Procedures	85.82%			
	Aircraft Systems	92.01%			
	Airport Operations	87.07%			
	Airspace	93.89%			
	Flight Operations	91.23%			
	Human Factors	84.54%			
	Instrument Procedures	82.30%			
	Navigation	88.03%			
	Publications	84.27%			
	Regulations	82.24%			
	Weather	88.45%			
<b>Inspection Authorization</b>			<b>938</b>	<b>86.35%</b>	<b>83.52</b>
	Fabrication	77.84%			
	Maintenance	77.26%			
	Math	93.13%			
	Publications	84.13%			
	Regulations	86.87%			
	Weight and Balance	78.75%			
<b>Instrument Rating Airplane</b>			<b>12,356</b>	<b>83.95%</b>	<b>79.35</b>
	Aerodynamics	70.45%			
	Air Traffic Control Procedures	88.30%			
	Aircraft Systems	80.04%			
	Airport Operations	83.51%			
	Airspace	86.61%			
	Flight Operations	83.75%			
	Human Factors	81.34%			
	Instrument Procedures	78.71%			
	Navigation	76.14%			
	Publications	81.62%			
	Regulations	81.89%			
	Weather	76.99%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Instrument Rating Airplane Canadian Conversion</b>			<b>63</b>	<b>92.06%</b>	<b>82.06</b>
	Air Traffic Control Procedures	100.00%			
	Aircraft Systems	50.00%			
	Airport Operations	85.27%			
	Airspace	89.71%			
	Flight Operations	92.71%			
	Human Factors	65.22%			
	Instrument Procedures	81.28%			
	Navigation	76.71%			
	Publications	76.78%			
	Regulations	86.02%			
<b>Instrument Rating Foreign Pilot</b>			<b>233</b>	<b>81.97%</b>	<b>79.61</b>
	Aerodynamics	78.13%			
	Air Traffic Control Procedures	79.66%			
	Aircraft Systems	78.25%			
	Airport Operations	80.97%			
	Airspace	82.52%			
	Flight Operations	86.00%			
	Human Factors	76.39%			
	Instrument Procedures	78.44%			
	Navigation	76.86%			
	Publications	77.18%			
	Regulations	81.50%			
	Weather	83.09%			
<b>Instrument Rating Helicopter</b>			<b>857</b>	<b>88.68%</b>	<b>81.39</b>
	Aerodynamics	89.04%			
	Aircraft Systems	84.34%			
	Airport Operations	79.91%			
	Airspace	88.69%			
	Flight Operations	82.26%			
	Human Factors	87.13%			
	Instrument Procedures	82.10%			
	Navigation	78.73%			
	Publications	83.86%			
	Regulations	76.86%			
	Weather	81.64%			
<b>Military Competence Airplane</b>			<b>1,454</b>	<b>99.52%</b>	<b>94.12</b>
	Aircraft Performance	98.11%			
	Airport Operations	96.16%			
	Airspace	93.08%			
	Instrument Procedures	93.23%			
	Navigation	98.62%			
	Regulations	94.09%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Military Competence Helicopter</b>			<b>1,737</b>	<b>99.60%</b>	<b>91.17</b>
	Airport Operations	83.10%			
	Airspace	89.53%			
	Instrument Procedures	94.67%			
	Navigation	97.70%			
	Regulations	91.29%			
<b>Military Competence Instructor</b>			<b>1,399</b>	<b>99.00%</b>	<b>93.73</b>
	Aerodynamics	82.84%			
	Fundamentals of Instructing	93.45%			
	Human Factors	89.17%			
	Instructional Guidelines	92.94%			
	Instrument Procedures	95.35%			
	Regulations	94.40%			
	Weather	88.07%			
	Weight and Balance	81.35%			
<b>Parachute Rigger</b>			<b>152</b>	<b>88.16%</b>	<b>78.93</b>
	Certification	84.00%			
	Packing Parachutes	79.88%			
	Parachute Alteration	62.18%			
	Parachute Construction Details	77.73%			
	Parachute Operation/Care	71.08%			
	Parachute Repair	84.95%			
	Prvlg/Limitns/OperRules	89.83%			
<b>Parachute Rigger Military Competence</b>			<b>59</b>	<b>93.22%</b>	<b>90.92</b>
	Certification	88.51%			
	Packing Parachutes	91.15%			
	Parachute Repair	96.61%			
	Prvlg/Limitns/OperRules	92.10%			
<b>Private Pilot Airplane</b>			<b>25,325</b>	<b>91.86%</b>	<b>84.15</b>
	Aerodynamics	89.71%			
	Air Traffic Control Procedures	96.10%			
	Aircraft Performance	84.32%			
	Aircraft Systems	86.41%			
	Airport Operations	85.24%			
	Airspace	79.87%			
	Flight Operations	86.61%			
	Human Factors	91.59%			
	Instrument Procedures	90.13%			
	Navigation	78.34%			
	Publications	89.74%			
	Regulations	84.87%			
	Weather	84.65%			
	Weight and Balance	82.57%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Private Pilot Airplane Canadian Conversion</b>			<b>41</b>	<b>90.24%</b>	<b>83.85</b>
	Air Traffic Control Procedures	86.75%			
	Airport Operations	75.00%			
	Airspace	75.29%			
	Flight Operations	79.35%			
	Instrument Procedures	90.24%			
	Navigation	79.76%			
	Publications	91.14%			
	Regulations	87.00%			
<b>Private Pilot Airplane/Recreational Pilot - Transition</b>			<b>22</b>	<b>90.91%</b>	<b>81.64</b>
	Aerodynamics	100.00%			
	Aircraft Performance	81.82%			
	Aircraft Systems	83.78%			
	Airport Operations	83.95%			
	Airspace	77.65%			
	Flight Operations	90.91%			
	Navigation	78.98%			
	Publications	84.62%			
	Regulations	81.31%			
<b>Private Pilot Airship</b>			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Private Pilot Balloon - Gas</b>			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Private Pilot Balloon - Hot Air</b>			<b>106</b>	<b>86.79%</b>	<b>81.65</b>
	Aerodynamics	98.11%			
	Aircraft Performance	72.73%			
	Aircraft Systems	86.76%			
	Airport Operations	80.19%			
	Airspace	66.21%			
	Flight Operations	79.53%			
	Human Factors	78.30%			
	Navigation	82.04%			
	Publications	79.14%			
	Regulations	86.44%			
	Weather	81.42%			
	Weight and Balance	78.00%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Private Pilot Glider</b>			<b>209</b>	<b>93.78%</b>	<b>87.82</b>
	Aerodynamics	92.99%			
	Aircraft Performance	93.78%			
	Aircraft Systems	90.56%			
	Airport Operations	84.37%			
	Airspace	81.26%			
	Flight Operations	89.54%			
	Human Factors	86.60%			
	Navigation	86.14%			
	Publications	87.65%			
	Regulations	87.92%			
	Weather	87.57%			
	Weight and Balance	91.39%			
<b>Private Pilot Gyroplane</b>			<b>1</b>	<b>100.00%</b>	<b>83.00</b>
	Aerodynamics	66.67%			
	Aircraft Performance	75.00%			
	Aircraft Systems	85.71%			
	Airport Operations	100.00%			
	Airspace	83.33%			
	Flight Operations	100.00%			
	Human Factors	100.00%			
	Navigation	71.43%			
	Publications	100.00%			
	Regulations	72.73%			
	Weather	100.00%			
	Weight and Balance	50.00%			
<b>Private Pilot Helicopter</b>			<b>1,404</b>	<b>94.80%</b>	<b>85.52</b>
	Aerodynamics	91.96%			
	Aircraft Performance	82.30%			
	Aircraft Systems	86.95%			
	Airport Operations	86.20%			
	Airspace	79.74%			
	Flight Operations	84.10%			
	Human Factors	85.11%			
	Navigation	78.73%			
	Publications	91.00%			
	Regulations	88.99%			
	Weather	87.54%			
	Weight and Balance	80.78%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Private Pilot Helicopter/Recreational Pilot - Transition</b>			<b>5</b>	<b>60.00%</b>	<b>80.60</b>
	Aerodynamics	100.00%			
	Air Traffic Control Procedures	83.33%			
	Aircraft Systems	50.00%			
	Airport Operations	85.71%			
	Airspace	75.00%			
	Flight Operations	86.67%			
	Navigation	70.73%			
	Publications	100.00%			
	Regulations	86.67%			
	Weather	66.67%			
<b>Private Pilot Powered Parachute</b>			<b>1</b>	<b>0.00%</b>	<b>67.00</b>
	Aerodynamics	50.00%			
	Air Traffic Control Procedures	50.00%			
	Aircraft Performance	50.00%			
	Aircraft Systems	100.00%			
	Airport Operations	66.67%			
	Airspace	66.67%			
	Flight Operations	66.67%			
	Human Factors	100.00%			
	Navigation	66.67%			
	Publications	100.00%			
	Regulations	70.00%			
	Weather	40.00%			
	Weight and Balance	100.00%			
<b>Private Pilot Weight-Shift-Control</b>			<b>12</b>	<b>75.00%</b>	<b>77.00</b>
	Aerodynamics	70.83%			
	Air Traffic Control Procedures	73.91%			
	Aircraft Performance	83.33%			
	Aircraft Systems	83.33%			
	Airport Operations	75.00%			
	Airspace	76.67%			
	Flight Operations	76.19%			
	Human Factors	91.67%			
	Navigation	59.32%			
	Publications	87.50%			
	Regulations	81.20%			
	Weather	81.67%			
	Weight and Balance	91.67%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Recreational Pilot Airplane</b>			<b>81</b>	<b>86.42%</b>	<b>80.99</b>
	Aerodynamics	81.77%			
	Aircraft Performance	72.02%			
	Aircraft Systems	86.49%			
	Airport Operations	84.42%			
	Airspace	77.19%			
	Flight Operations	80.77%			
	Human Factors	82.72%			
	Navigation	80.25%			
	Publications	88.16%			
	Regulations	82.71%			
	Weather	80.16%			
	Weight and Balance	72.07%			
<b>Recreational Pilot Helicopter</b>			<b>0</b>	<b>0.00%</b>	<b>0.00</b>
<b>Sport Pilot Airplane</b>			<b>732</b>	<b>95.36%</b>	<b>85.91</b>
	Aerodynamics	75.27%			
	Air Traffic Control Procedures	86.89%			
	Aircraft Performance	92.78%			
	Aircraft Systems	83.66%			
	Airport Operations	87.28%			
	Airspace	82.79%			
	Flight Operations	94.13%			
	Human Factors	86.36%			
	Navigation	82.42%			
	Publications	91.33%			
	Regulations	85.72%			
	Weather	83.44%			
	Weight and Balance	80.19%			
<b>Sport Pilot Glider</b>			<b>2</b>	<b>100.00%</b>	<b>81.50</b>
	Aerodynamics	75.00%			
	Air Traffic Control Procedures	75.00%			
	Aircraft Performance	66.67%			
	Aircraft Systems	60.00%			
	Airport Operations	77.78%			
	Airspace	100.00%			
	Flight Operations	90.00%			
	Human Factors	100.00%			
	Navigation	62.50%			
	Publications	100.00%			
	Regulations	90.00%			
	Weather	50.00%			
	Weight and Balance	100.00%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Sport Pilot Gyroplane</b>			<b>12</b>	<b>100.00%</b>	<b>84.33</b>
	Aerodynamics	66.67%			
	Air Traffic Control Procedures	80.00%			
	Aircraft Performance	81.25%			
	Aircraft Systems	90.63%			
	Airport Operations	82.14%			
	Airspace	84.62%			
	Flight Operations	92.31%			
	Human Factors	90.00%			
	Navigation	85.00%			
	Publications	79.17%			
	Regulations	81.25%			
	Weather	85.71%			
	Weight and Balance	87.50%			
<b>Sport Pilot Lighter-Than-Air (Balloon)</b>			<b>1</b>	<b>100.00%</b>	<b>75.00</b>
	Aerodynamics	66.67%			
	Aircraft Performance	50.00%			
	Aircraft Systems	100.00%			
	Airport Operations	100.00%			
	Airspace	80.00%			
	Flight Operations	80.00%			
	Human Factors	100.00%			
	Navigation	80.00%			
	Publications	50.00%			
	Regulations	80.00%			
	Weather	60.00%			
	Weight and Balance	50.00%			
<b>Sport Pilot Powered Parachute</b>			<b>81</b>	<b>92.59%</b>	<b>83.64</b>
	Aerodynamics	64.21%			
	Air Traffic Control Procedures	83.65%			
	Aircraft Performance	97.09%			
	Aircraft Systems	85.07%			
	Airport Operations	83.38%			
	Airspace	79.66%			
	Flight Operations	97.88%			
	Human Factors	86.42%			
	Navigation	79.93%			
	Publications	90.12%			
	Regulations	90.96%			
	Weather	70.62%			
	Weight and Balance	85.80%			

## 2012 Airmen Knowledge Tests with Topic Area

Exam Type	Topic Area	Questions Answered Correctly in Topic Area	Exam Volume	Exam Pass Rate	Exam Average Score
<b>Sport Pilot</b>	<b>Weight Shift Control</b>		<b>48</b>	<b>95.83%</b>	<b>87.79</b>
	Aerodynamics	69.79%			
	Air Traffic Control Procedures	86.42%			
	Aircraft Performance	98.39%			
	Aircraft Systems	83.85%			
	Airport Operations	89.78%			
	Airspace	88.57%			
	Flight Operations	98.88%			
	Human Factors	77.08%			
	Navigation	82.50%			
	Publications	93.75%			
	Regulations	90.34%			
	Weather	85.64%			
	Weight and Balance	90.32%			